



*the Window that brought
A NEW LOOK to Building*

RUSCO

HOT-DIPPED GALVANIZED

**STEEL PRIME
WINDOWS**

HORIZONTAL SLIDE • VERTICAL
SLIDE • FULVUE VERTICAL SLIDE
WINDO-DOOR UNITS

1955

THE F. C. RUSSELL COMPANY

The world's largest manufacturer of metal combination windows and doors and home comfortizing products

CLEVELAND, OHIO

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the most modern development in complete window protection

Available in a wide variety of types and standard sizes, Rusco Galvanized Steel Prime Windows permit greater versatility in architecture and design.

Rusco Prime Window units come factory-painted, fully assembled (even including hardware) complete with wood or metal casing — are ready to install in the window opening. Because they eliminate on-the-job glazing, painting, fitting and laborious adjusting, Rusco Prime Windows can be placed in the window opening in minutes instead of hours. The resulting saving is sizeable.

Rusco Vertical Slide Prime Window units can easily be combined in twin or any other multiple combination from picture window with flankers to "window wall" effects to achieve a desired treatment. In addition to the Vertical Slide, Rusco Horizontal

Slide Prime Windows ideally meet design and construction requirements for high window placement, such as in ranch type houses, where added wall space and greater privacy is desired.

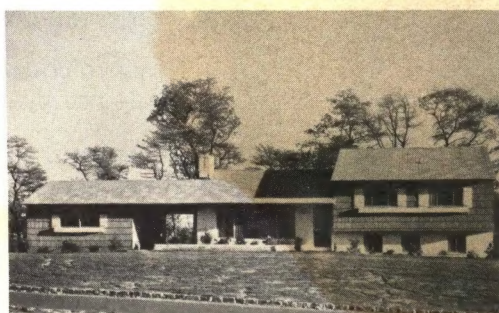
The tubular steel construction assures the maximum strength and rigidity of all Rusco Prime Windows and the smooth narrow frame members provide a clean, streamlined appearance for present day architectural treatments in the modest or deluxe home, apartment building or institutional type building.

Rusco Prime Windows, complete with insulating window (optional) offer the architect or owner a double window combination on which he can depend to fulfill specified design requirements of heating and air conditioning insulation, providing complete all-season window protection and no-draft MagicPanel® ventilation as described on page 4.



the moderately priced dwelling

The variety of standard sizes available, together with the completeness of the Rusco Prime Window unit and its many other advantages, gives the small home builder the economy and convenience which are so desirable.



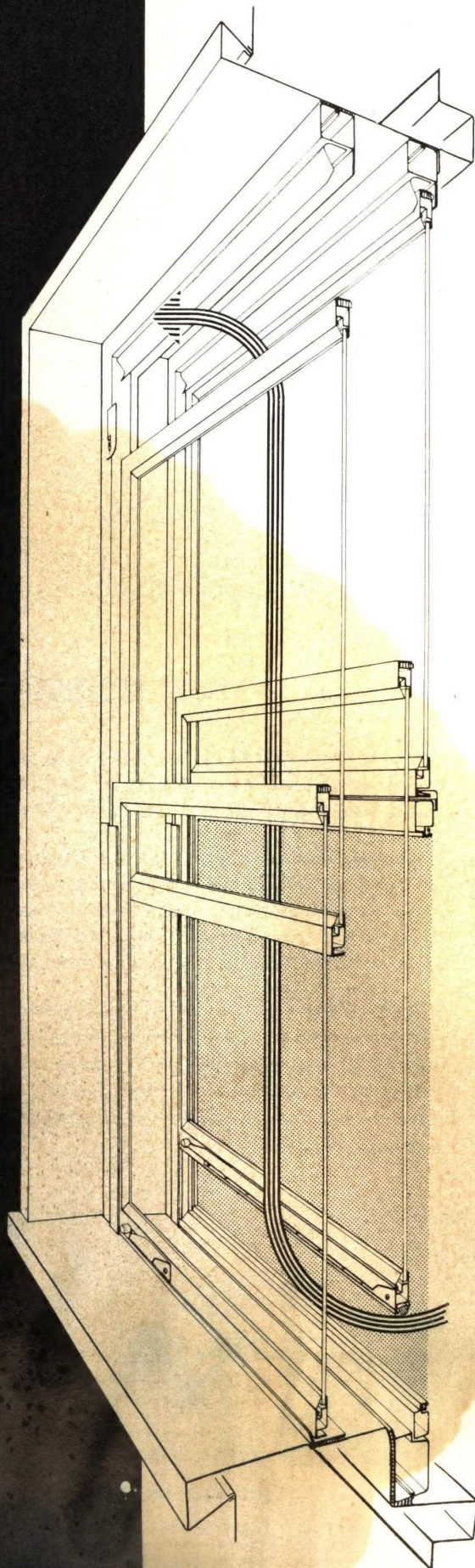
the more pretentious home

The flexibility of the many combinations available in the Rusco Prime Window, together with the clean, accurate detail of the frame and panel members are only two of the multiple advantages available to the designer of today's home. Rusco Prime Windows harmonize with all types of architecture.



the fine apartment buildings

Rusco Prime Windows are factory-built with precision and are completely interchangeable, thereby simplifying maintenance when reglazing, rescreening or washing. This factor, plus the many other features, provides an ideal window for the apartment and other large building designers.



- 1 **TUBULAR** steel construction of all frame and panel members assures maximum rigidity and strength with light weight, and no warping or binding.
- 2 **NARROW FRAME** and panel members allow maximum glass opening in comparison to frame opening and provide unobstructed vision and attractive appearance.
- 3 **REMOVABLE GLASS** and screen panels for cleaning and servicing. All panels are easily removable from the inside. No need for ladders on the outside or window cleaner hooks.
- 4 **OPERATION** of the vertical slide window involves no weights, cords or balances. Rusco Prime Windows automatically lock in all closed and ventilating positions. Simple operating hardware is of stainless steel.
- 5 **GLAZING** is done without unsightly putty. Glass is bedded with mastic and held in place with plastic spline. This facilitates replacement of broken glass when required.
- 6 **SCREENING** is fiberglass cloth. It is held in place with removable plastic spline, providing the strongest, most weather-proof type of resilient screen — will not rust, rot, corrode or bulge and never needs painting — no staining of side walls. Electrostatic effect filters dirt from the air. Screen may be left in or taken out during the winter.
- 7 **PAINTING.** Rusco Prime Windows are factory-finished with baked-on, outdoor gray enamel.
- 8 **INSULATING** double windows. When inside adjustable insulating window is used, it reduces heat loss and helps control condensation, as well as decreases the transmission of outside street noises.
- 9 **NO-DRAFT VENTILATION.** When insulating sash is used, it provides rainproof, draft-free, filtered screen ventilation in any weather. The inside upper panel is lowered a few inches and the outside lower panel is raised a few inches, allowing air movement as shown by arrow on the diagram.
- 10 **COMPLETE** assembly of the window includes wood casing, metal casing or metal fins.
- 11 **MANY COMBINATIONS** of Prime Windows are accomplished by using the standard mullion.
- 12 **EASY INSTALLATION** of the complete unit with minimum field labor.
- 13 **CONVENIENCE** during construction is provided by the complete removability and interchangeability of the glass and screen panels. Openings may be completely free of panels during the day and closed quickly when desired.

COMPLETELY INSTALLED IN 5 MINUTES

5b
Ru

(As applicable to frame construction) • Similar easy methods are used in other types of construction

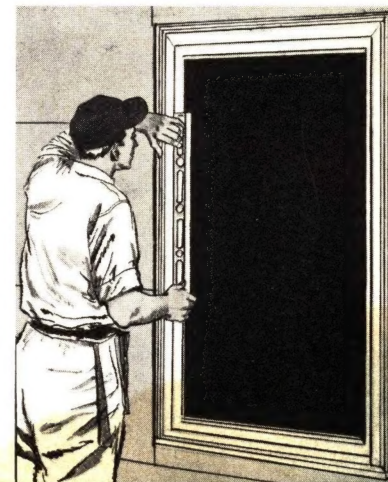
1.

Place window with surround assembly (glass and screen panels removed) into stud opening.



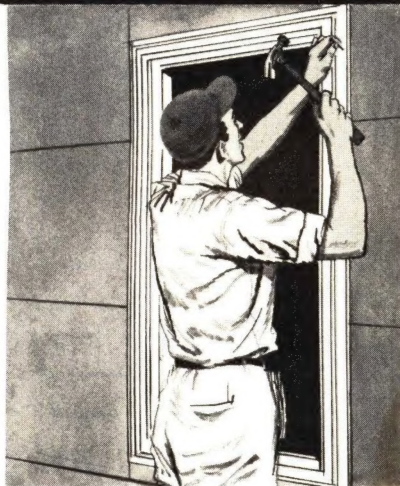
3.

Adjust window position and set level and plumb.



2.

Nail window surround to studs. The installation is completed and the wall ready for finishes.



4.

Closure of window opening is accomplished simply by inserting glass and screen panels in the frame to form complete unit.



1. To operate, slide knobs toward handles—raise or lower glass to desired position—release knobs to engage lock.
2. To remove, slide lower glass panel to top of window frame—pull bottom of panel in and down. Pull top of screen panel in and move upward to remove. Lift upper glass panel to disengage from slots in side frames—pull in and down to remove.
3. The panels of the insulating window operate similarly. All panels are easily removed from the inside for safe and convenient cleaning and servicing.



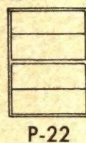
Rusco Prime Units are made of steel protected with a triple layer weather-seal application. The first layer is a hot dipped galvanized coating that does not flake or peel in forming. Second, this surface is bonderized for perfect paint adherence. Lastly, a beautiful, durable, baked-on, outdoor enamel is applied.

TYPE P-11 VERTICAL SLIDE

| | 16" | 20" | 24" | 28" | 32" | 36" |
|---------------------|----------------------|-----------------------|----------------------|----------------------|-----------------------|----------------------|
| NOMINAL GLASS SIZES | 1'-7 $\frac{1}{2}$ " | 1'-11 $\frac{1}{2}$ " | 2'-3 $\frac{1}{2}$ " | 2'-7 $\frac{1}{2}$ " | 2'-11 $\frac{1}{2}$ " | 3'-3 $\frac{1}{2}$ " |
| WINDOW SIZES | | | | | | |
| 10" | | | | | | |
| 16" | | | | | | |
| 20" | | | | | | |
| 24" | | | | | | |
| 28" | | | | | | |

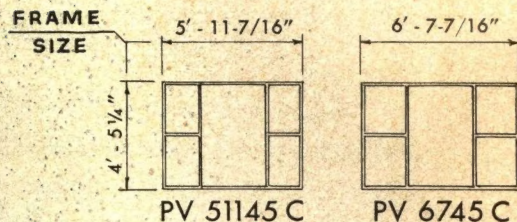
TYPE P-22 VERTICAL SLIDE

Types P-11 and P-22 are identical in size and details of installation. They differ only in that type P-22 has horizontal muntins and type P-11 does not.



P-22

COMPOSITE VERTICAL SLIDE



PV 51145C Fixed center light 34 x 50 — 2 Flankers 16 x 24
 PV 6745C Fixed center light 34 x 50 — 2 Flankers 20 x 24

Composite Vertical Slide windows are made up of three lites; the center fixed, with operating right and left hand flanker units. All lites are mounted in an integral steel frame, eliminating the need for steel mullions.

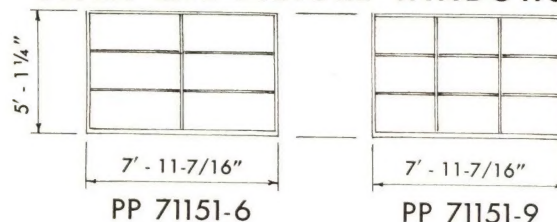
Insulating windows are available for all types and sizes of Prime Windows and their use is optional. For the dimension points of window sizes refer to pages 21, 22, 24. For Installation suggestions refer to pages 25 to 29. For the dimensions of rough openings required for installation refer to pages 18, 19.

TYPE P. P. PICTURE WINDOWS

Rusco Picture Windows are available in three heights, corresponding to three of the standard heights of vertical slide windows. Picture windows may be used singly, in multiple, combined with vertical slide windows as flankers, or in any other desired horizontal combination. Insulating Picture Window (optional) set separately on the inside of the Prime Picture Windows, are easily removable from the inside for cleaning. The cleaning of exterior surfaces of picture windows in multi-story installations is facilitated by having vertical slide units as flankers.

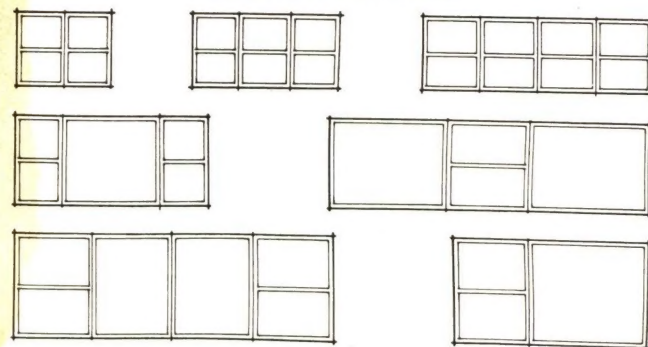
| | 40" | 48" | 56" |
|--------------------|----------------------|----------------------|----------------------|
| ORDERING SIZES | 40" | 48" | 56" |
| ACTUAL GLASS SIZES | 3'-5 $\frac{7}{8}$ " | 4'-1 $\frac{7}{8}$ " | 4'-9 $\frac{7}{8}$ " |
| WINDOW SIZES | | | |
| 42" | | | |
| 50" | | | |
| 58" | | | |

MULTI-LITE PICTURE WINDOWS



Multi-lite Picture Windows provide large economically-fixed glass areas.

COMBINATIONS



The horizontal combination of Rusco Prime Windows is accomplished by the use of metal non-load-bearing mullions placed between the window units. These mullions are supplied on order by The F. C. Russell Company. In each case the combined width of the windows is the sum of the individual window widths plus $\frac{1}{16}$ " for each non-load-bearing mullion.

Structural mullions (not supplied by The F. C. Russell Company) may be placed between the jambs of individual or groups of windows. For suggestions, refer to installation details.

UNIFORM MULTIPLE COMBINATIONS

| COMBINED WINDOW WIDTHS | Quantity and Widths of Windows IN COMBINATIONS AS LISTED | | | | | | MULLIONS REQUIRED (@ 1 5/16" EACH |
|------------------------|---|------------------|------------------|------------------|------------------|-----------------|--|
| | 16" 1-7 1/4" | 20" 1-11 1/4" | 24" 2'-3 3/4" | 28" 2'-7 1/4" | 32" 2-11 1/4" | 36" 3-3 3/4" | |
| 3' - 3 3/16" | 2 | | | | | | 1 |
| 3' - 11 7/16" | | 2 | | | | | 1 |
| 4' - 7 7/16" | | | 2 | | | | 1 |
| 5' - 3 3/16" | | | | 2 | | | 1 |
| 5' - 11 7/16" | | | | | 2 | | 1 |
| 6' - 7 7/16" | | | | | | 2 | 1 |
| 6' - 11 5/8" | | | 3 | | | | 2 |
| 7' - 11 5/8" | | | | 3 | | | 2 |
| 8' - 11 5/8" | | | | | 3 | | 2 |
| 9' - 3 13/16" | | | 4 | | | | 3 |
| 9' - 11 5/8" | | | | | | 3 | 2 |
| 10' - 7 13/16" | | | | 4 | | | 3 |
| 11' - 8" | | | 5 | | | | 4 |
| 11' - 11 13/16" | | | | | 4 | | 3 |
| 13' - 3 13/16" | | | | | | 4 | 3 |
| 13' - 4" | | | | 5 | | | 4 |
| 14' - 0 3/16" | | | 6 | | | | 5 |
| 15' - 0" | | | | | 5 | | 4 |
| 16' - 0 3/16" | | | | 6 | | | 5 |
| 16' - 4 3/8" | | | 7 | | | | 6 |
| 16' - 8" | | | | | | 5 | 4 |
| 18' - 0 3/16" | | | | | 6 | | 5 |
| 18' - 8 3/8" | | | | 7 | | | 6 |
| 20' - 0 3/16" | | | | | | 6 | 5 |
| 21' - 0 3/8" | | | | | 7 | | 6 |
| 21' - 4 3/16" | | | | 8 | | | 7 |
| 23' - 4 3/8" | | | | | | 7 | 6 |
| 24' - 0 3/16" | | | | | 8 | | 7 |
| 26' - 8 3/16" | | | | | | 8 | 7 |

Multiple combinations shown are selected for probable greatest convenience. Other uniform multiple combinations are practical. Refer also to pages 18 and 19.

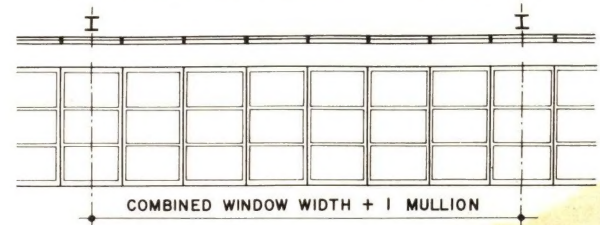
All of the window widths are available in the types and window heights shown on page 6, 11 & 15.

Windows may be combined horizontally in other than uniform width multiples subject to aesthetic design factors. A regular repetitive pattern or symmetrical arrangement is usually preferable.

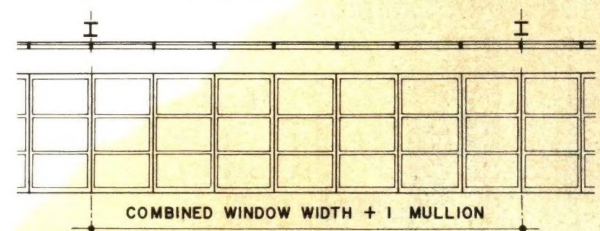
CONTINUOUS WINDOWS

Windows in continuous bands set in front of structural columns may be arranged in either of two ways:

WINDOWS CENTERED on COLUMNS



MULLIONS CENTERED on COLUMNS

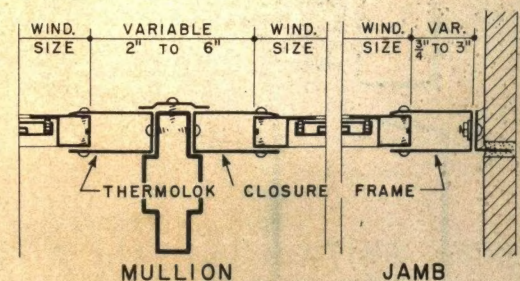


Because of the characteristics of the Rusco Prime windows, the clearance required between the inside of the mullion and the face of the columns, for the removal or operation of the window panels needs be very little; 2" is ample. Accordingly windows in front of columns need not be fixed.

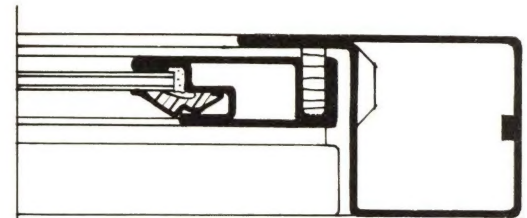
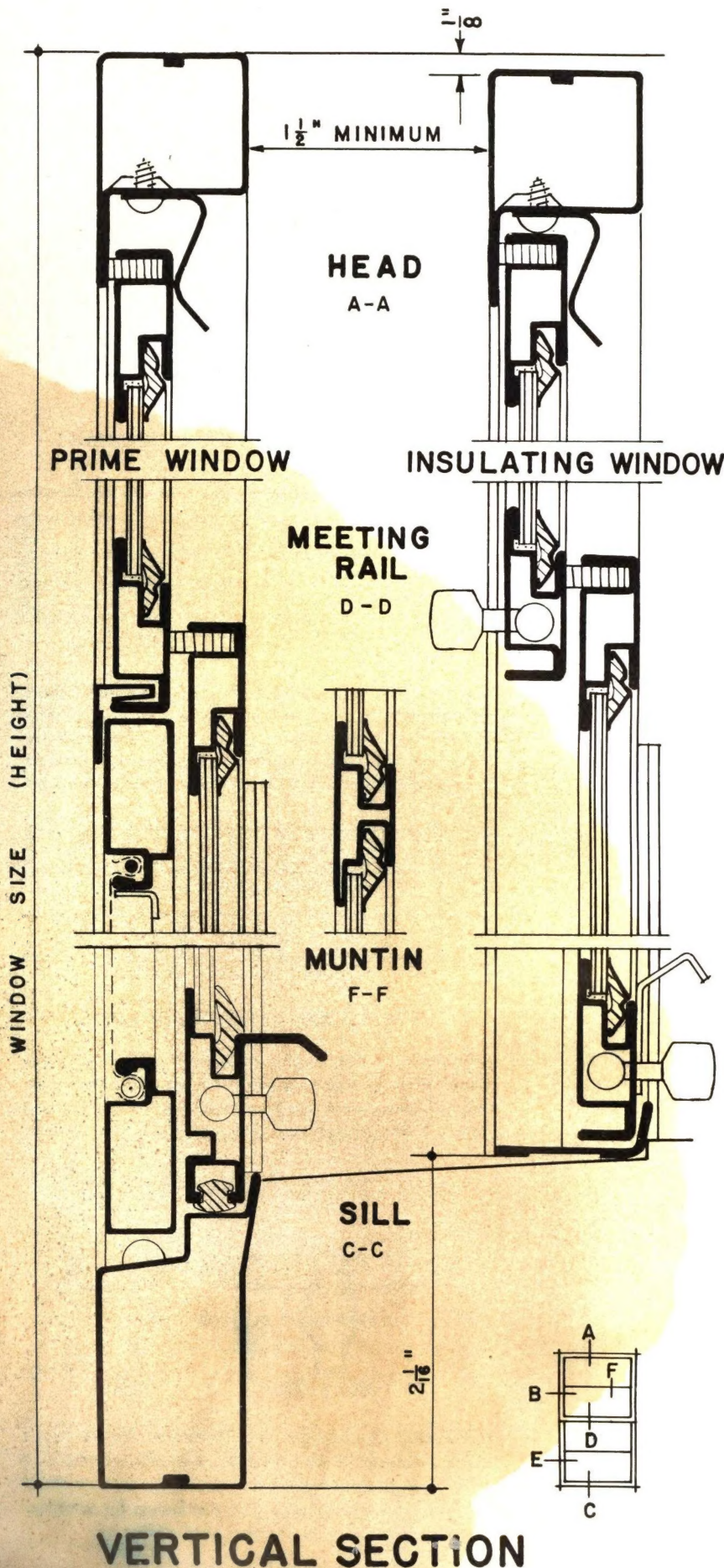


THERMOLOK CLOSURE FRAMES

Adjustments in the lengths of window runs to fit given column spacings may be made by the use of the Thermolok closure frame, which combined with mullion SW116 and various jamb arrangement can provide any dimension.

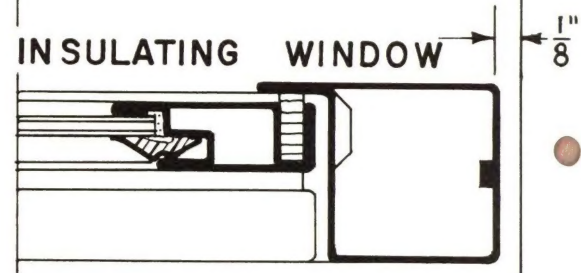


The relationship between the Thermolok closure frame and the window frame is variable and different widths of Thermolok closure frames are available. Consult direct with the F. C. Russell Co. or their distributors for combinations available and for ordering instructions.



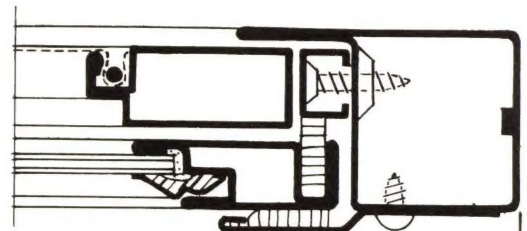
PRIME WINDOW

WINDOW SIZE (WIDTH)



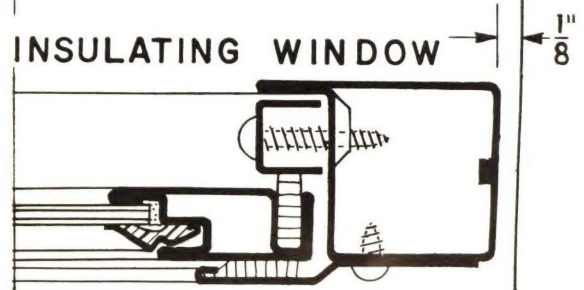
JAMB SECTION B-B

ABOVE MEETING RAIL



PRIME WINDOW

WINDOW SIZE (WIDTH)



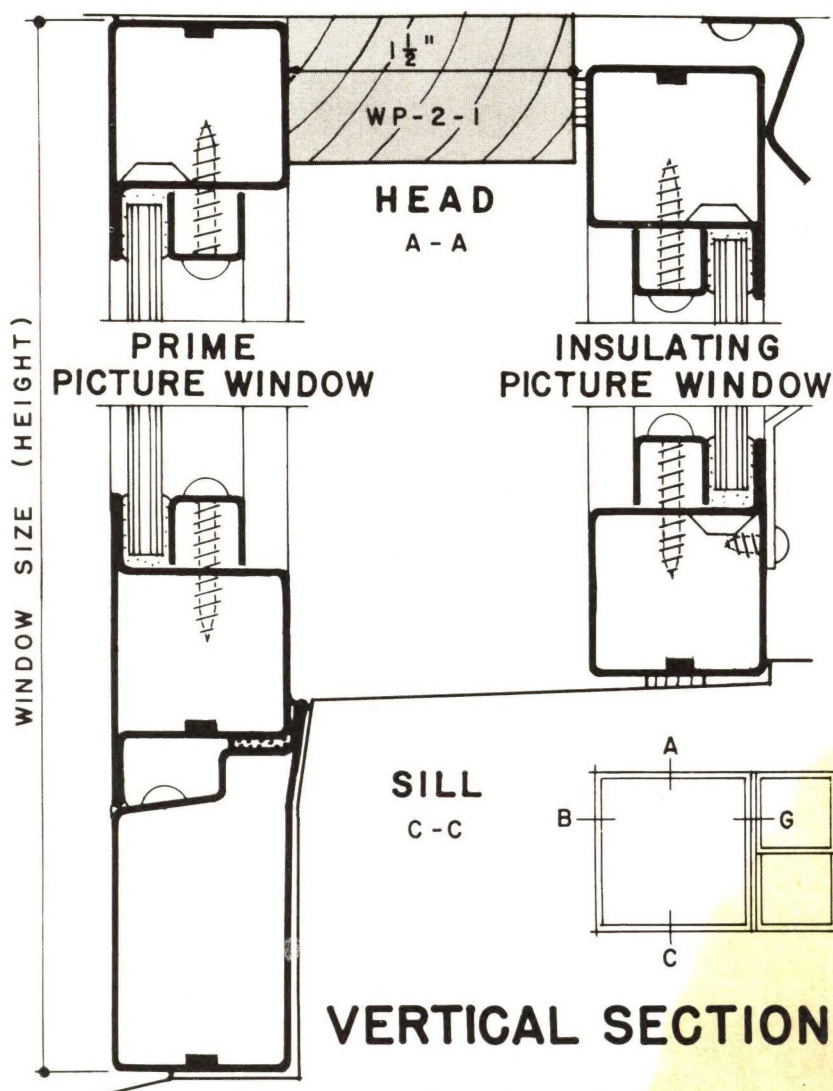
JAMB SECTION E-E

BELOW MEETING RAIL

PICTURE WINDOW FULL SIZE DETAILS

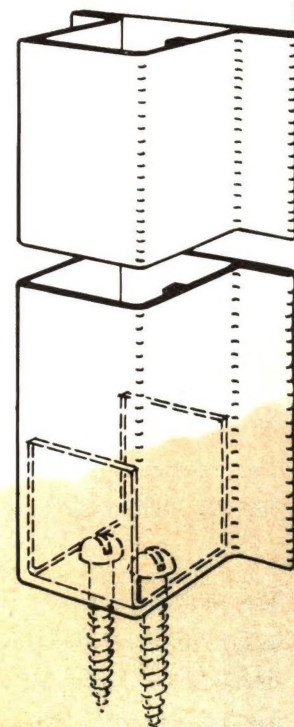
RUSCO
PRIME WINDOWS

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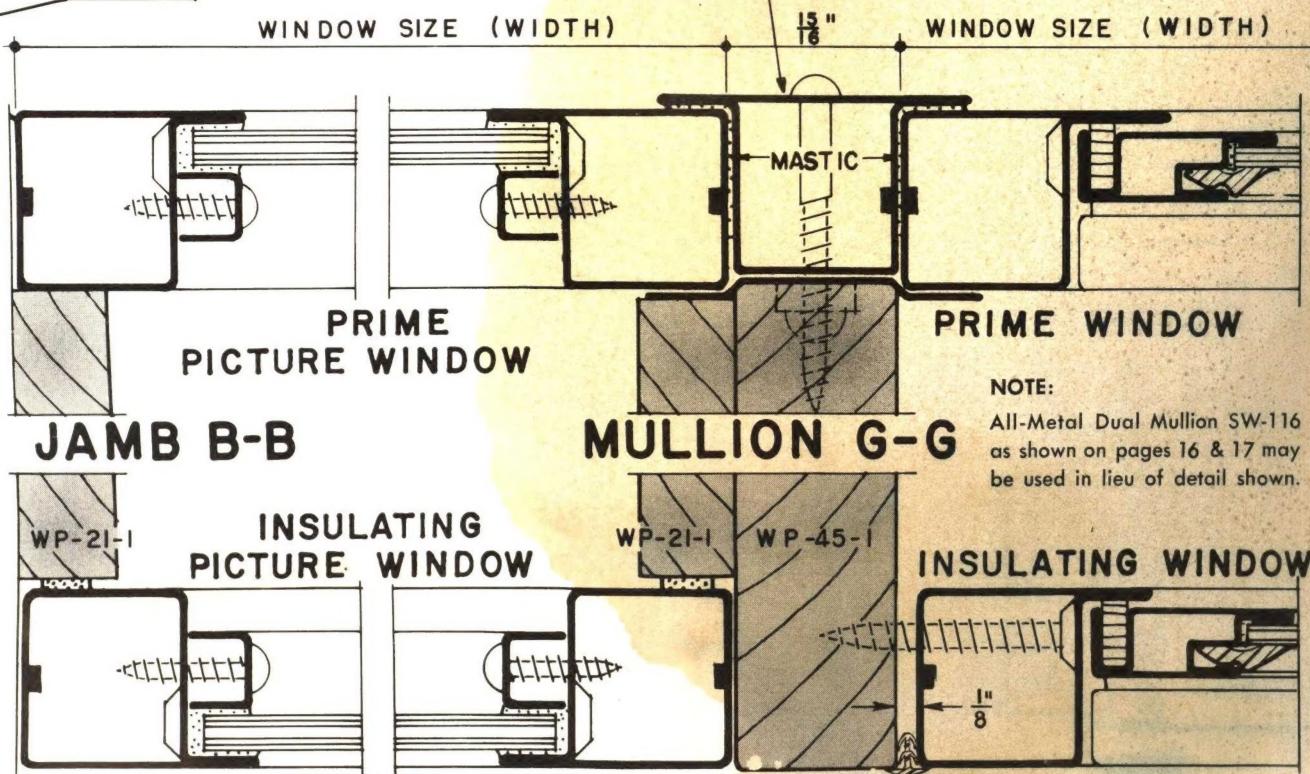
TOP

BOTTOM



**MULLION ANCHOR
FOR USE AT SILL**
HG - 16

NOTE: METAL PART OF
MULLION MAY BE USED
ALONE WHEN INSULATING
WINDOWS ARE NOT USED



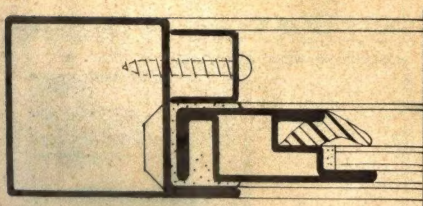
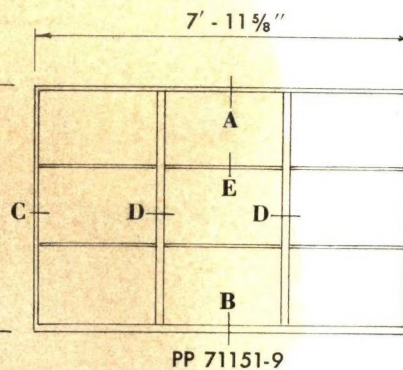
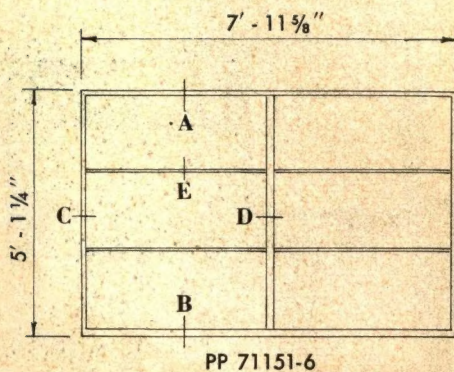
NOTE:
All-Metal Dual Mullion SW-116
as shown on pages 16 & 17 may
be used in lieu of detail shown.

Rusco Multi-lite Picture Windows are made available to meet the demand of architects and builders for economical expansive multiple fixed lite windows, required for use in contemporary architecture.

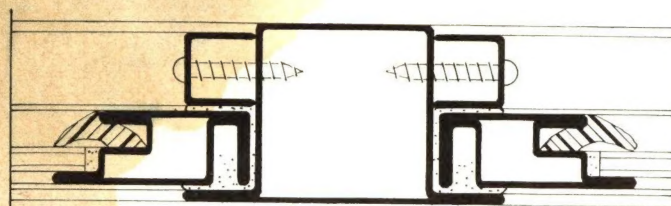
The integral frame construction of Rusco Multi-lite Picture Windows eliminate the need for grouping a number of smaller windows together with the use of mullions to obtain the desired large glass areas. Lower cost combined with pleasing appearance is thereby achieved.

The Multi-lite Picture Windows, like other Rusco Windows, are supplied completely assembled, glazed and finished in a gray baked-on enamel. Snap-on Insulating Sash, detailed on page 20, are available for Multi-lite and all regular Picture Windows except the 56" x 58" nominal glass size. They are also available for all Horizontal Slide Windows.

Built-in weatherstripping, around the entire perimeter of the Snap-on Insulating Sash, assures a snug fit against the Prime Window Frame. No tools are required to remove Snap-on Sash for washing; and in most cases they may be easily removed from within the room.



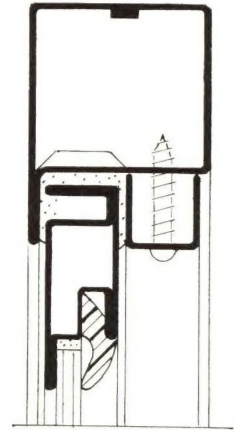
SECTION C



SECTION D



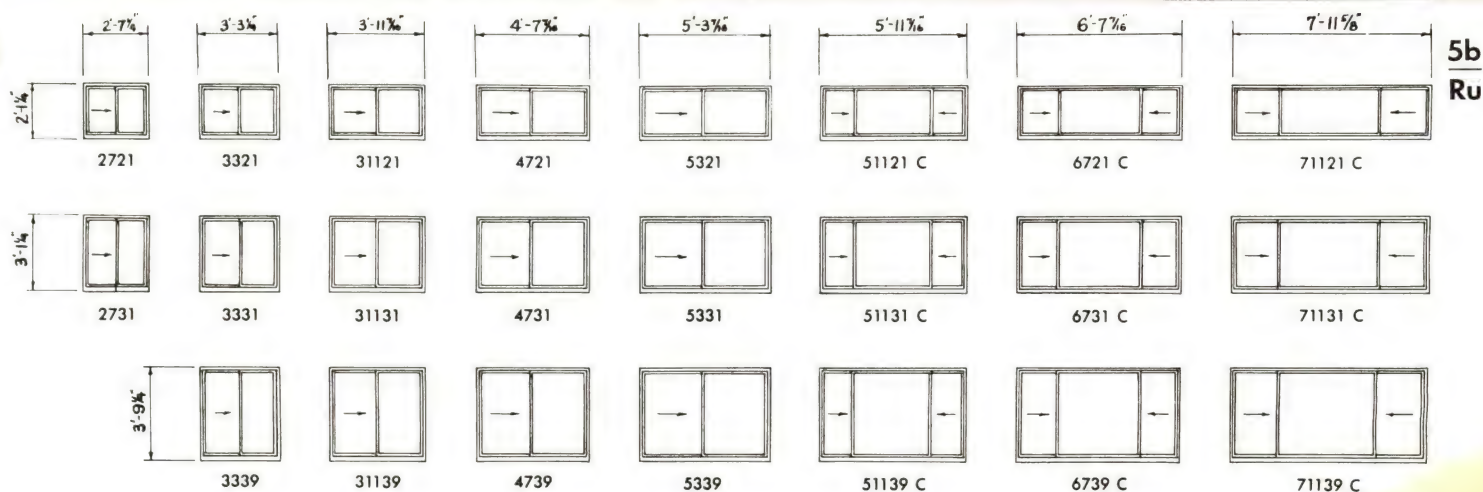
SECTION E



SECTION A



SECTION B


 5b
 Ru

NEW MODERN HORIZONTAL SLIDE TUBULAR STEEL WINDOWS

To meet the demands of architects and builders engaged in the design and construction of ranch type housing and other styles requiring relatively high window placement a new line of galvanized steel Horizontal Slide Windows is offered by The F. C. Russell Company.

Rusco Horizontal Slide Prime Windows, like the Vertical Slide Rusco Window, are supplied as completely finished assemblies and provide the same ease and speed of installation and convenience during construction.

Assuring the home owner greater ease of operation at shoulder-high or head levels, the standard unit consists of one horizontal slide glass insert with a screen panel and one fixed light in an all steel frame. It is available in a range of sizes to fit conventional window openings. The sliding panel may be ordered for either left or right hand operation. With the use of metal mullions placed between window units, two or any number of Rusco Horizontal Slide Windows may be combined horizontally to achieve any effect desired.

An outstanding part of this new line is the composite horizontal slide window made up of three lights, the center light fixed with sliding right and left hand ventilating panels — all mounted in an integral steel window frame, thus eliminating the need for steel mullions.

Incorporates Rusco Vertical Slide Prime Window Features and Advantages

Patterned after the proven basic engineering principles of the widely used and accepted Vertical Slide Prime Window, Rusco's new Horizontal Slide Window incorporates all its many exclusive and famous features. Frame and window members are of streamlined, rigid tubular construction made of galvanized steel, bonderized and finished with baked-on outdoor gray enamel.

Horizontal Sliding Windows are supplied as complete window assemblies attached to casings, painted, glass inserts already glazed, with Rusco's Fiberglass Screen Cloth, weatherstripped, plus all operating hardware. Glass and screen panels are

removable for easy cleaning and maintenance. Rusco Horizontal Slide Windows provide the builder the same measure of ease of installation and convenience during construction as the Rusco Vertical Slide Prime Window.

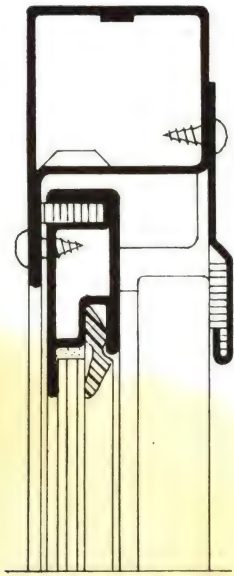
Magic Panel Ventilation

Rusco Horizontal Slide Windows are designed to accept Rusco's famous adjustable insulating sash to reduce heat loss, control condensation, giving the home owner the benefits of rainproof, draft-free MagicPanel Ventilation.

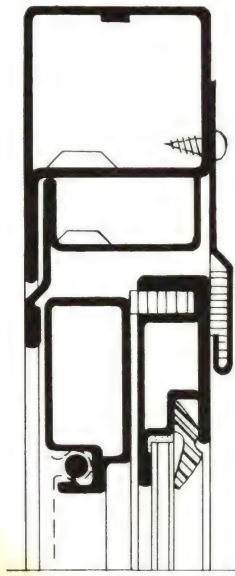
Horizontal Slide Window units may also be grouped together to provide continuous fenestration as shown on page 18.

For additional information on Rusco Horizontal Slide Windows, see your nearest Rusco Prime Window distributor.

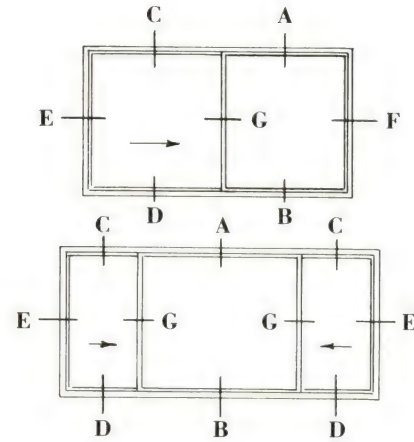




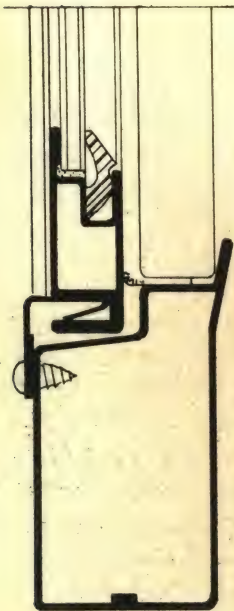
SECTION A



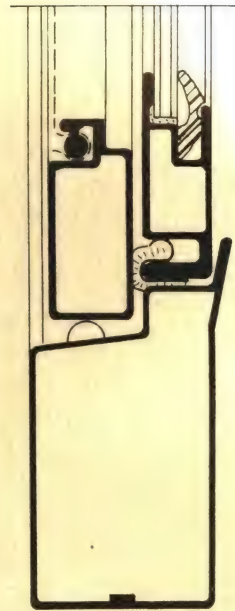
SECTION C



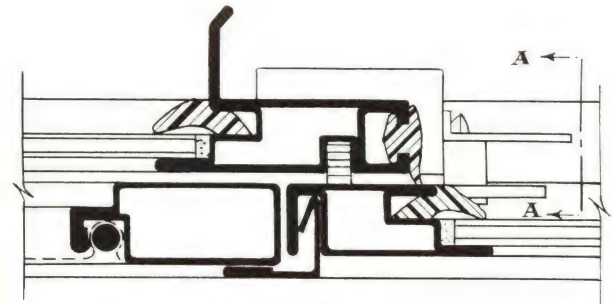
PRIME WINDOW



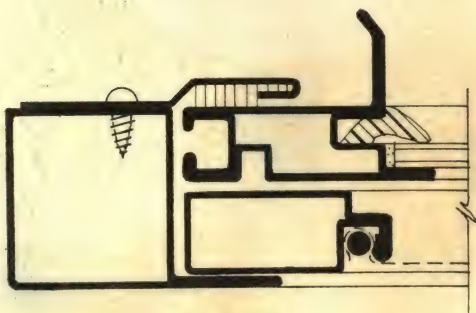
SECTION B



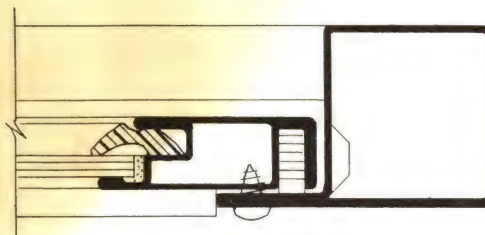
SECTION D



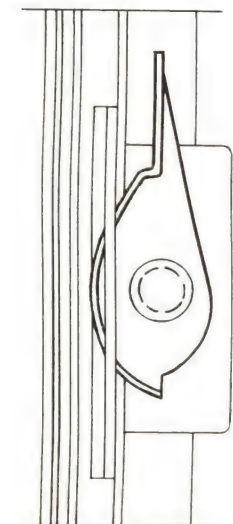
SECTION G



SECTION E



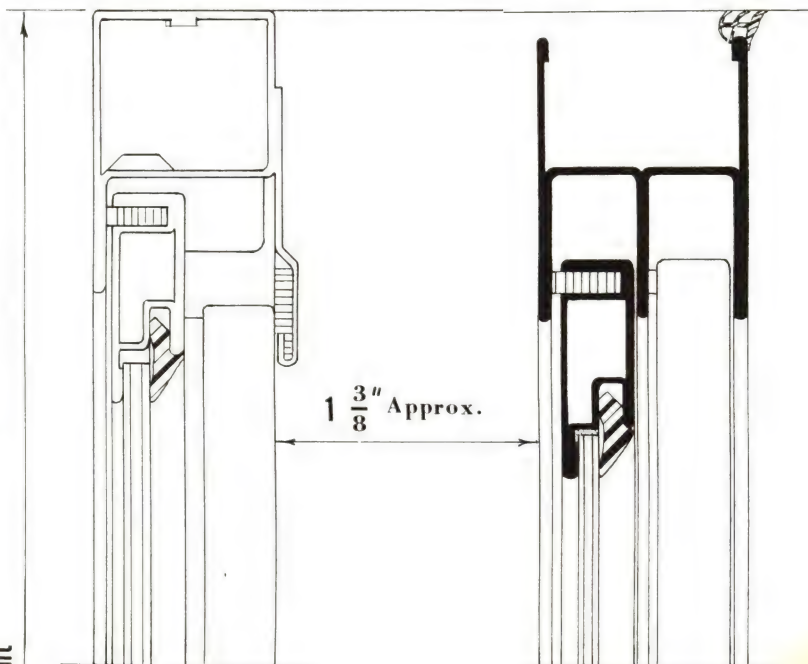
SECTION F



DETAIL A-A
SHOWING
SASH LOCK

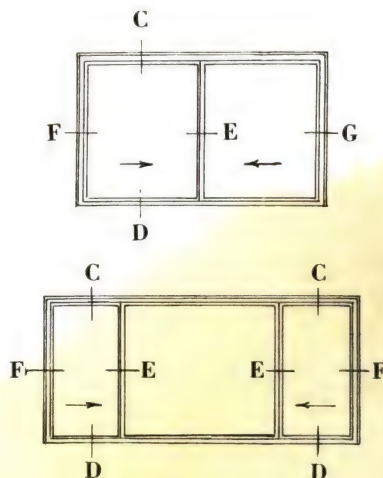
Window Height

Section C

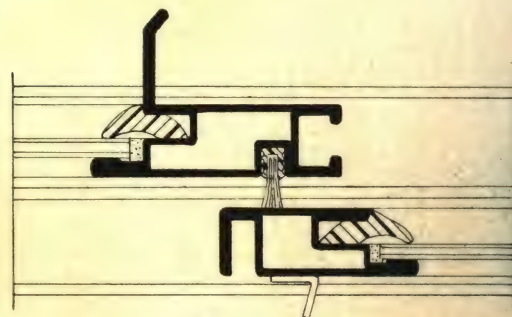


Prime Window

Insulating Window



Insulating Window



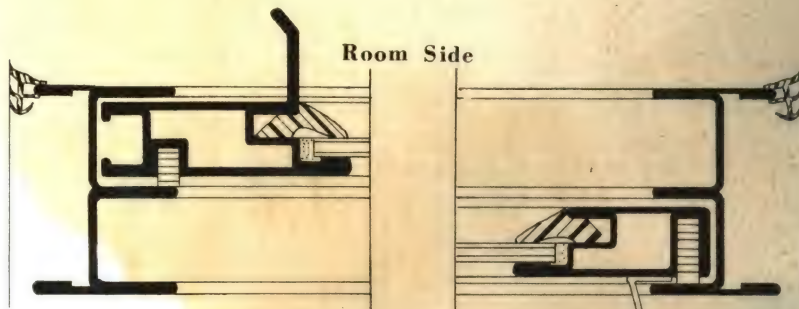
Section E

MP-219

Section D

2 1/16"

NOTE:
When used with flat
Stool, MP-219 is required
on both legs of Sill Channel

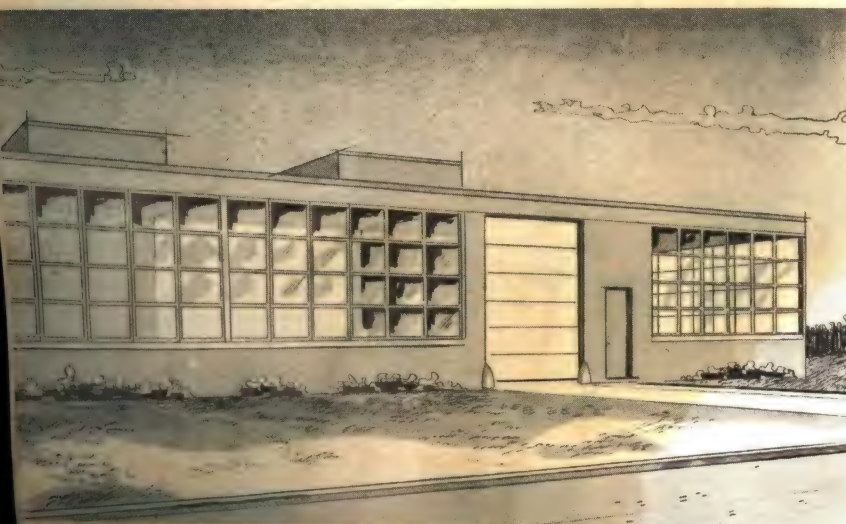
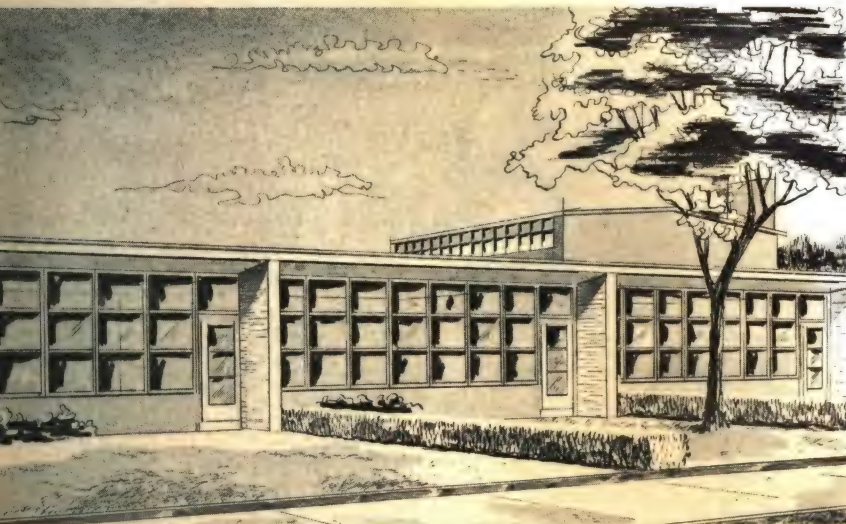
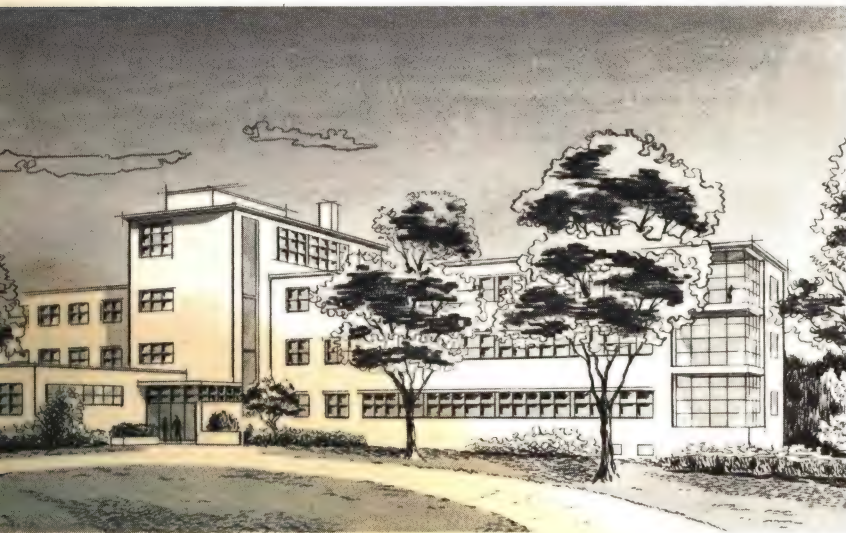


Section F

Section G

The Rusco Prime Windows shown on the preceding pages are indicated for residential use. However, their general features and many advantages make them equally attractive for use in many non-residential types of buildings.

Rusco Prime Fulvue Windows are also available in standard types and sizes which provide additional attractive arrangements for use in residential, commercial, institutional and industrial buildings.

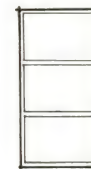


TYPE P - 11 (Two lights high)

The bottom panel ventilates, and the screen is optional. Use of the inside insulating window (optional) provides no-draft ventilation as described on page 4.

This is the basic type of Rusco Prime Window shown in detail on previous pages and reproduced here to emphasize that it may also be used in non-residential buildings.

The larger sizes of this type are particularly applicable to office and hotel buildings.



TYPE P-311 (Three lights high)

Either the bottom panel (type P-311 A) or the center panel (type P-311 B) ventilates. In both cases screens are optional. Inside insulating windows with operating panels located in relation to the ventilating panel of the Prime Window to provide no-draft ventilation, is available for type P-311 A only.

Rusco Prime Windows, type P-311, are particularly suitable for use in hospitals, schools, office buildings and hotels and are frequently applicable to residential use when combined horizontally to form window walls.



TYPE P-411 (Four lights high)

The bottom panel and the third panel from the bottom ventilate. Screens are optional. The inside insulating window (optional) has ventilating panels located in relation to the ventilating panels of the Prime Windows to provide no-draft ventilation at either or both locations.

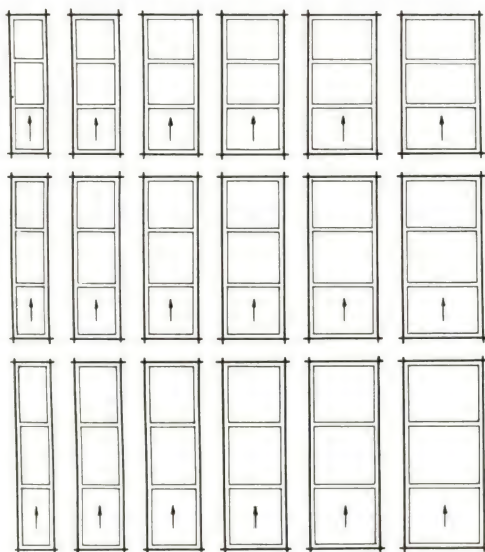
Rusco Prime Windows type P-411 are particularly suitable for use in industrial buildings or in commercial or institutional buildings with sufficiently high ceilings. They are frequently used in stair halls or other high bay locations.

For Type P-11 refer to page 6 for general information and to page 8 for full size details. Refer to pages 25 thru 29 for installation details.

The all metal dual mullion SW-116 shown on page 16 - 17 may be used with Type P-11 window when insulating windows are required.

Types P-311 A and P-311 B are identical in window sizes and in the details of installation. They are different only in the location of the ventilating panel as indicated by the arrows on the diagram.

TYPE P-311 A



P-311A WINDOW WIDTH SAME AS P-311B
(SHOWN AT RIGHT)

Types P-311 and P-411 may be combined horizontally by using the all metal non-load-bearing mullion shown on page 16 - 17. These mullions are supplied on order by the F. C. Russell Company.

In each case of such combined units the total combined window width is the sum of the individual window widths plus 15/16" for each non-load-bearing mullion as shown on page 7.

The ordering designation of Rusco Prime Vertical Slide and Fulvue Windows is similar to that for conventional double hung windows in that the nominal glass size, in inches, of one panel is used; first the horizontal dimension and then the vertical dimension.

TYPE P-11

| 16" | 20" | 24" | 28" | 32" | 36" | NOMINAL GLASS SIZES WINDOW SIZES | |
|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|---|------------------------------------|
| 1'-7 ¹ / ₄ " | 1'-11 ¹ / ₄ " | 2'-3 ¹ / ₄ " | 2'-7 ¹ / ₄ " | 2'-11 ¹ / ₄ " | 3'-3 ¹ / ₄ " | | 2'-1 ¹ / ₄ " |
| | | | | | | | 10" |
| | | | | | | | 2'-1 ¹ / ₄ " |
| | | | | | | | 16" |
| | | | | | | | 20" |
| | | | | | | | 24" |
| | | | | | | | 28" |

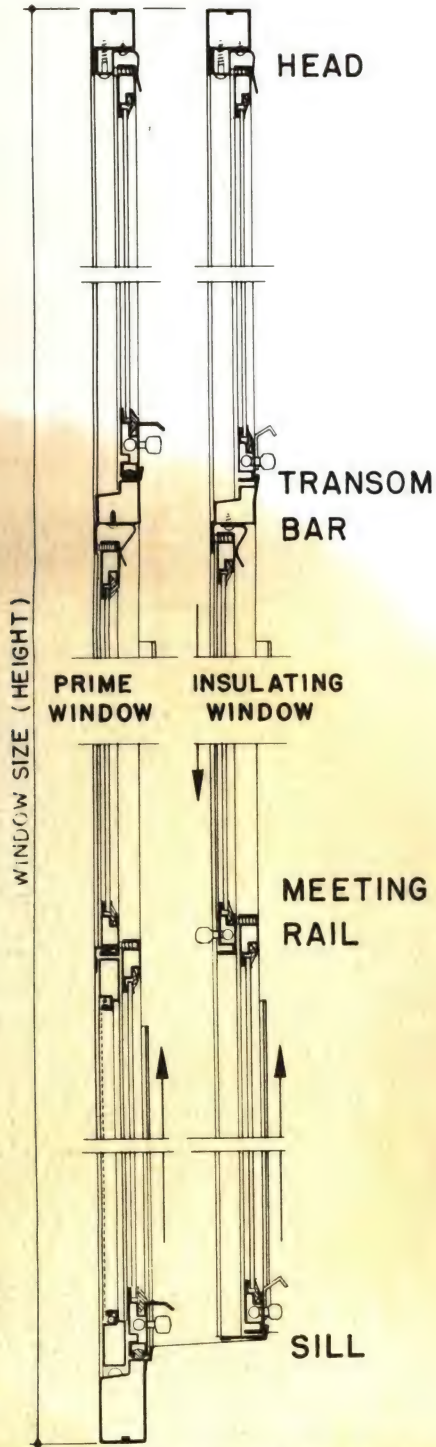
TYPE P-311 B

| | | | | | | | |
|--|--|--|--|--|--|--|-------|
| | | | | | | | 5'-8" |
| | | | | | | | 20" |
| | | | | | | | 24" |
| | | | | | | | 28" |

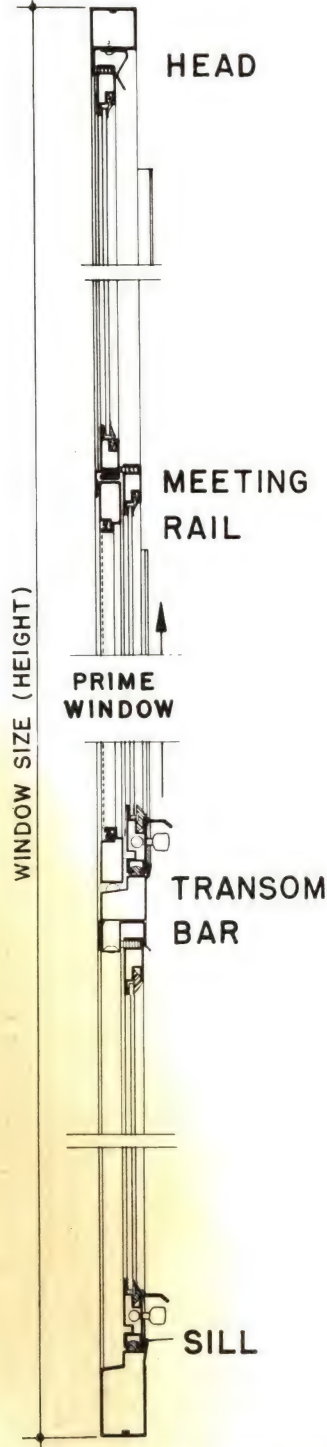
TYPE P-411

| | | | | | | | |
|--|--|--|--|--|--|--|------------------------------------|
| | | | | | | | 8'-6 ¹ / ₄ " |
| | | | | | | | 24" |
| | | | | | | | 28" |

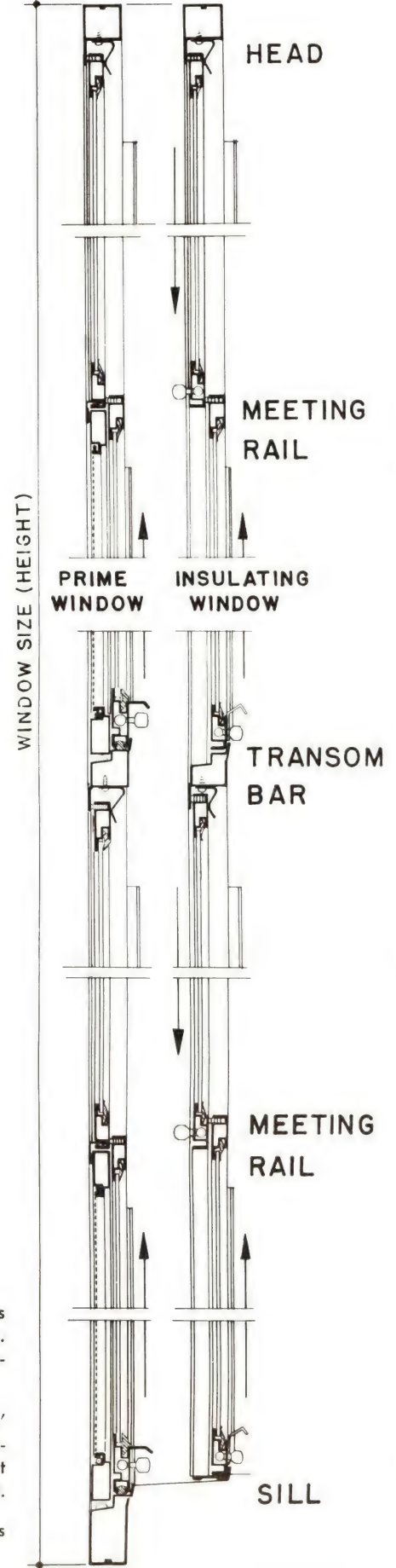
TYPE P 311-A



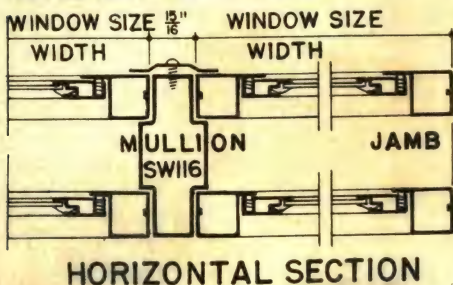
TYPE P 311-B



TYPE P 411



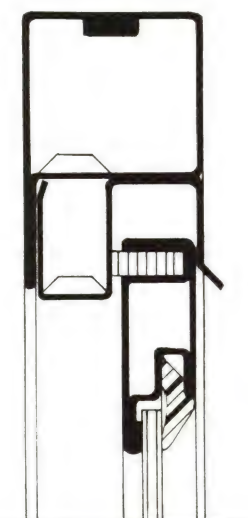
NOTE: ARROWS INDICATE OPERATION OF VERTICAL SLIDE WINDOWS



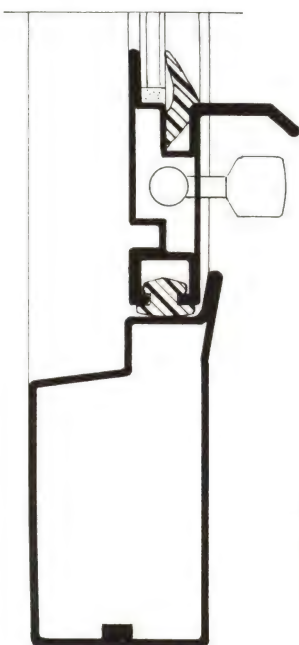
Types P-11, P-311 A & B and P-411 windows may be used with or without screen panels. Insulating windows may be used with all window types except P-311 B.

When insulating windows are used, the 1½" minimum dimension between the Prime Window and the insulating window, and the height and slope of the stool, must be maintained.

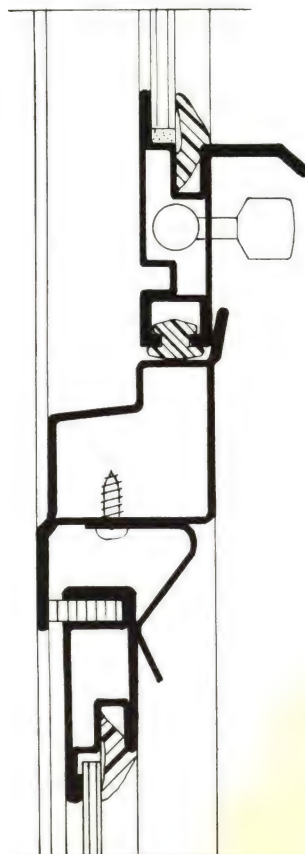
Metal mullions, metal casings, variable casings, metal fins, anchor clips, casing clips and sill braces as shown in the installation details, pages 25 thru 29, are available on order from the F. C. Russell Co.



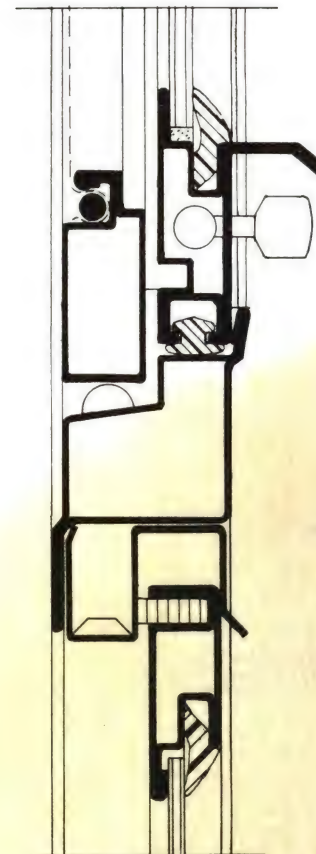
Head 311 A



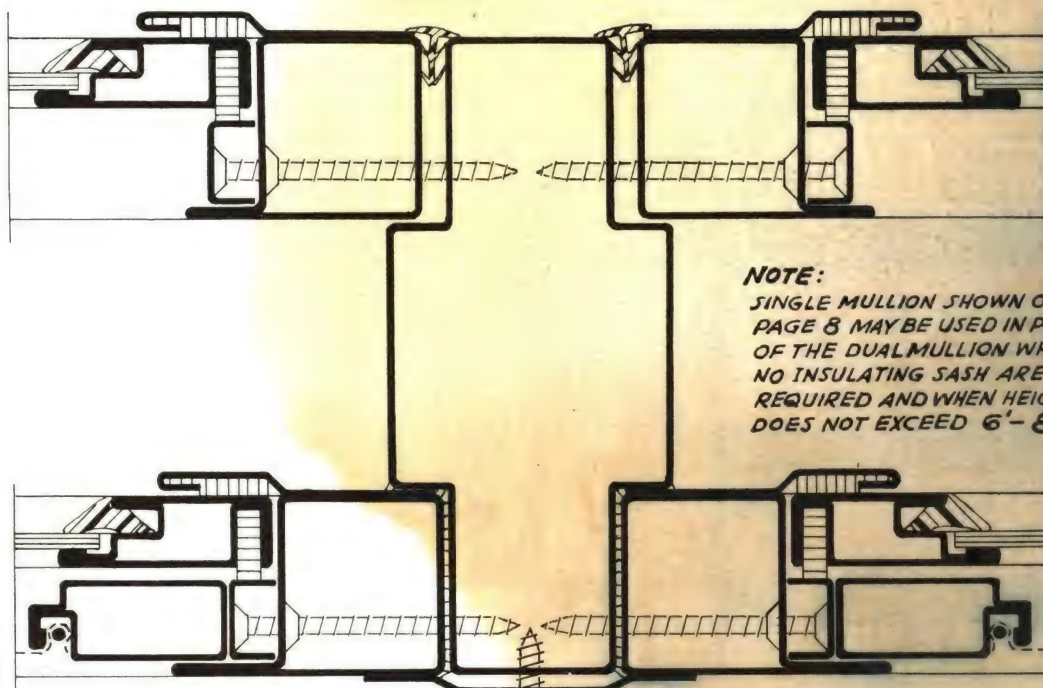
SILL 311 B



Transom Bar 311 A



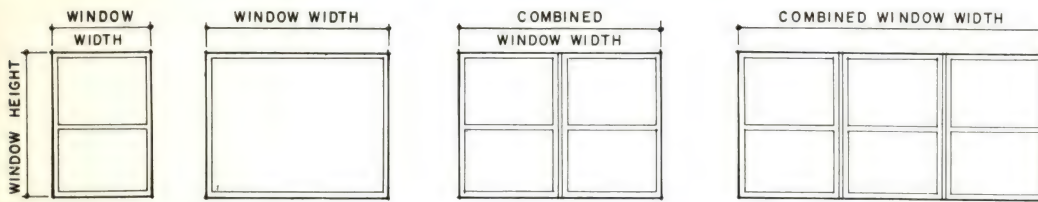
Transom Bar 311 B



NOTE:
SINGLE MULLION SHOWN ON
PAGE 8 MAY BE USED IN PLACE
OF THE DUAL MULLION WHEN
NO INSULATING SASH ARE
REQUIRED AND WHEN HEIGHT
DOES NOT EXCEED 6'-8"

Sections not shown are the
same as those shown for
P 11 Window , on page 8 .

Dual Mullion



† INDICATES HORIZONTAL SLIDE, AS WELL AS VERTICAL SLIDE WINDOW SIZES.

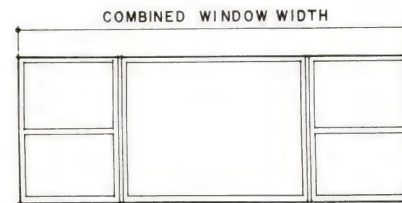
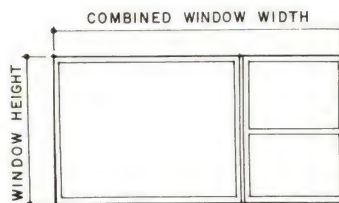
Picture Windows are available in 20", 24" and 28" heights only.

| | | ROUGH OPENINGS REQUIRED FOR INSTALLATION | | | | | |
|-----------------------|---------------|--|--------------|-----------|-------------------------------|--------------|-------------|
| | | IN FRAME AND BRICK VENEER | | | IN MASONRY AND CONCRETE BLOCK | | |
| NOMINAL GLASS WIDTH | WINDOW WIDTH | ** WOOD CASING | METAL CASING | METAL FIN | ** WOOD CASING | METAL CASING | METAL FIN * |
| SINGLE VERTICAL SLIDE | | | | | | | |
| 16" | 1'-7¼" | 1'-9¼" | 1'-9¾" | 1'-9¼" | 1'-10½" | 1'-10½" | 1'-7¾" |
| 20" | 1'-11¼" | 2'-1¼" | 2'-1¾" | 2'-1¼" | 2'-2½" | 2'-2½" | 1'-11¾" |
| 24" | 2'-3¼" | 2'-5¼" | 2'-5¾" | 2'-5¼" | 2'-6½" | 2'-6½" | 2'-3¾" |
| 28" | 2'-7¼" † | 2'-9¼" | 2'-9¾" | 2'-9¼" | 2'-10½" | 2'-10½" | 2'-7¾" |
| 32" | 2'-11¼" | 3'-1¼" | 3'-1¾" | 3'-1¼" | 3'-2½" | 3'-2½" | 2'-11¾" |
| 36" | 3'-3¼" † | 3'-5¼" | 3'-5¾" | 3'-5¼" | 3'-6½" | 3'-6½" | 3'-3¾" |
| SINGLE PICTURE WINDOW | | | | | | | |
| 40" | 3'-5⅞" | 3'-7⅞" | 3'-8⅜" | 3'-7⅞" | 3'-9⅞" | 3'-9⅞" | 3'-6⅜" |
| 48" | 4'-1⅞" | 4'-3⅞" | 4'-4⅜" | 4'-3⅞" | 4'-5⅞" | 4'-5⅞" | 4'-2⅜" |
| 56" | 4'-9⅞" | 4'-11⅞" | 5'-0⅜" | 4'-11⅞" | 5'-1⅞" | 5'-1⅞" | 4'-10⅜" |
| TWIN VERTICAL SLIDE | | | | | | | |
| 16" | 3'-3⅞" | 3'-5⅞" | 3'-5⅞⅞" | 3'-5⅞" | 3'-6⅞⅞" | 3'-6⅞⅞" | 3'-3⅞⅞" |
| 20" | 3'-11⅞" † | 4'-1⅞" | 4'-1⅞⅞" | 4'-1⅞" | 4'-2⅞⅞" | 4'-2⅞⅞" | 3'-11⅞⅞" |
| 24" | 4'-7⅞" † | 4'-9⅞" | 4'-9⅞⅞" | 4'-9⅞" | 4'-10⅞⅞" | 4'-10⅞⅞" | 4'-7⅞⅞" |
| 28" | 5'-3⅞" † | 5'-5⅞" | 5'-5⅞⅞" | 5'-5⅞" | 5'-6⅞⅞" | 5'-6⅞⅞" | 5'-3⅞⅞" |
| 32" | 5'-11⅞" † | 6'-1⅞" | 6'-1⅞⅞" | 6'-1⅞" | 6'-2⅞⅞" | 6'-2⅞⅞" | 5'-11⅞⅞" |
| 36" | 6'-7⅞" † | 6'-9⅞" | 6'-9⅞⅞" | 6'-9⅞" | 6'-10⅞⅞" | 6'-10⅞⅞" | 6'-7⅞⅞" |
| TRIPLE VERTICAL SLIDE | | | | | | | |
| 16" | 4'-11⅞" | 5'-1⅞" | 5'-2⅞" | 5'-1⅞" | 5'-2⅞" | 5'-2⅞" | 5'-0⅞" |
| 20" | 5'-11⅞" | 6'-1⅞" | 6'-2⅞" | 6'-1⅞" | 6'-2⅞" | 6'-2⅞" | 6'-0⅞" |
| 24" | 6'-11⅞" | 7'-1⅞" | 7'-2⅞" | 7'-1⅞" | 7'-2⅞" | 7'-2⅞" | 7'-0⅞" |
| 28" | 7'-11⅞" † | 8'-1⅞" | 8'-2⅞" | 8'-1⅞" | 8'-2⅞" | 8'-2⅞" | 8'-0⅞" |
| 32" | 8'-11⅞" | 9'-1⅞" | 9'-2⅞" | 9'-1⅞" | 9'-2⅞" | 9'-2⅞" | 9'-0⅞" |
| 36" | 9'-11⅞" | 10'-1⅞" | 10'-2⅞" | 10'-1⅞" | 10'-2⅞" | 10'-2⅞" | 10'-0⅞" |
| | | | | | | | |
| NOMINAL GLASS HEIGHT | WINDOW HEIGHT | ROUGH OPENINGS REQUIRED FOR INSTALLATION | | | | | |
| | | HEIGHTS | | | | | |
| P 11 | | | | | | | |
| 10" | 2'-1¼" † | 2'-3" | 2'-2¾" | 2'-2½" | 2'-3⅝" | 2'-3⅝" | 2'-1⅞" |
| 16" | 3'-1¼" † | 3'-3" | 3'-2¾" | 3'-2½" | 3'-3⅝" | 3'-3⅝" | 3'-1⅞" |
| 20" | 3'-9¼" † | 3'-11" | 3'-10¾" | 3'-10½" | 3'-11⅝" | 3'-11⅝" | 3'-9⅞" |
| 24" | 4'-5¼" † | 4'-7" | 4'-6¾" | 4'-6½" | 4'-7⅝" | 4'-7⅝" | 4'-5⅞" |
| 28" | 5'-1¼" † | 5'-3" | 5'-2¾" | 5'-2½" | 5'-3⅝" | 5'-3⅝" | 5'-1⅞" |
| P 311 | | | | | | | |
| 20" | 5'-8" | 5'-9¾" | 5'-9½" | 5'-9¼" | 5'-10⅝" | 5'-9⅞" | 5'-8⅝" |
| 24" | 6'-8" | 6'-9¾" | 6'-9½" | 6'-9¼" | 6'-10⅝" | 6'-9⅞" | 6'-8⅝" |
| 28" | 7'-8" | 7'-9¾" | 7'-9½" | 7'-9¼" | 7'-10⅝" | 7'-9⅞" | 7'-8⅝" |
| P 411 | | | | | | | |
| 24" | 8'-8⅞⅞" | 8'-10⅞⅞" | 8'-10⅞⅞⅞" | 8'-10⅞⅞" | 8'-11⅞⅞" | 8'-10⅞⅞⅞" | 8'-9⅞⅞" |
| 28" | 10'-0⅞⅞" | 10'-2⅞⅞" | 10'-2⅞⅞⅞" | 10'-2⅞⅞" | 10'-3⅞⅞" | 10'-2⅞⅞⅞" | 10'-1⅞⅞" |

REQUIRED FOR INSTALLATION PICTURE AND FLANKER COMBINATIONS

RUSCO
PRIME WINDOWS

In each case of combined Rusco Prime Window units using Rusco mullions, the combined width of the windows plus 15/16" for each non-load-bearing mullion. Refer to installation details pages 25 thru 29 for the relationship between the rough openings required for installation and finished stool and head height.



Single flanker may be used on either right or left side as seen from the outside.

5b
Ru

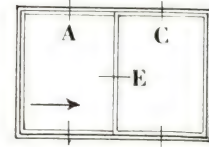
| | | WIDTHS | ROUGH OPENINGS REQUIRED FOR INSTALLATION | | | | | |
|--|-----------------------------|---------------------------|--|-----------------------|-------------------------------|-----------------------|------------------------|--|
| NOMINAL GLASS WIDTH COMBINATIONS | COMBINED WINDOW WIDTH | IN FRAME AND BRICK VENEER | | | IN MASONRY AND CONCRETE BLOCK | | | |
| | | * * WOOD CASING | METAL CASING | METAL FIN | * * WOOD CASING | METAL CASING | METAL FIN * | |
| PICTURE and ONE FLANKER | | | | | | | | |
| 40-16 | 5'-2 $\frac{1}{16}$ " | 5'-4 $\frac{1}{16}$ " | 5'-4 $\frac{9}{16}$ " | 5'-4 $\frac{1}{16}$ " | 5'-5 $\frac{5}{16}$ " | 5'-5 $\frac{5}{16}$ " | 5'-2 $\frac{1}{16}$ " | |
| 40-20 | 5'-6 $\frac{1}{16}$ " | 5'-8 $\frac{1}{16}$ " | 5'-8 $\frac{9}{16}$ " | 5'-8 $\frac{1}{16}$ " | 5'-9 $\frac{5}{16}$ " | 5'-9 $\frac{5}{16}$ " | 5'-6 $\frac{1}{16}$ " | |
| 48-16 | 5'-10 $\frac{1}{16}$ " | 6'-0 $\frac{1}{16}$ " | 6'-0 $\frac{9}{16}$ " | 6'-0 $\frac{1}{16}$ " | 6'-1 $\frac{5}{16}$ " | 6'-1 $\frac{5}{16}$ " | 5'-10 $\frac{1}{16}$ " | |
| 40-24 | | | | | | | | |
| 48-20 | 6'-2 $\frac{1}{16}$ " | 6'-4 $\frac{1}{16}$ " | 6'-4 $\frac{9}{16}$ " | 6'-4 $\frac{1}{16}$ " | 6'-5 $\frac{5}{16}$ " | 6'-5 $\frac{5}{16}$ " | 6'-2 $\frac{1}{16}$ " | |
| 40-28 | | | | | | | | |
| 56-16 | 6'-6 $\frac{1}{16}$ " | 6'-8 $\frac{1}{16}$ " | 6'-8 $\frac{9}{16}$ " | 6'-8 $\frac{1}{16}$ " | 6'-9 $\frac{5}{16}$ " | 6'-9 $\frac{5}{16}$ " | 6'-6 $\frac{1}{16}$ " | |
| 48-24 | | | | | | | | |
| 40-32 | 6'-10 $\frac{1}{16}$ " | 7'-0 $\frac{1}{16}$ " | 7'-0 $\frac{9}{16}$ " | 7'-0 $\frac{1}{16}$ " | 7'-1 $\frac{5}{16}$ " | 7'-1 $\frac{5}{16}$ " | 6'-10 $\frac{1}{16}$ " | |
| 56-20 | | | | | | | | |
| 48-28 | 7'-2 $\frac{1}{16}$ " | 7'-4 $\frac{1}{16}$ " | 7'-4 $\frac{9}{16}$ " | 7'-4 $\frac{1}{16}$ " | 7'-5 $\frac{5}{16}$ " | 7'-5 $\frac{5}{16}$ " | 7'-2 $\frac{1}{16}$ " | |
| 40-36 | | | | | | | | |
| 56-24 | 7'-6 $\frac{1}{16}$ " | 7'-8 $\frac{1}{16}$ " | 7'-8 $\frac{9}{16}$ " | 7'-8 $\frac{1}{16}$ " | 7'-9 $\frac{5}{16}$ " | 7'-9 $\frac{5}{16}$ " | 7'-6 $\frac{1}{16}$ " | |
| 48-32 | | | | | | | | |
| 56-28 | 7'-10 $\frac{1}{16}$ " | 8'-0 $\frac{1}{16}$ " | 8'-0 $\frac{9}{16}$ " | 8'-0 $\frac{1}{16}$ " | 8'-1 $\frac{5}{16}$ " | 8'-1 $\frac{5}{16}$ " | 7'-10 $\frac{1}{16}$ " | |
| 48-36 | | | | | | | | |
| 56-32 | 8'-2 $\frac{1}{16}$ " | 8'-4 $\frac{1}{16}$ " | 8'-4 $\frac{9}{16}$ " | 8'-4 $\frac{1}{16}$ " | 8'-5 $\frac{5}{16}$ " | 8'-5 $\frac{5}{16}$ " | 8'-2 $\frac{1}{16}$ " | |
| 56-36 | | | | | | | | |
| PICTURE and TWO FLANKERS | | | | | | | | |
| 16-40-16 | 6'-10 $\frac{1}{4}$ " | 7'-0 $\frac{1}{4}$ " | 7'-0 $\frac{3}{4}$ " | 7'-0 $\frac{1}{4}$ " | 7'-1 $\frac{1}{2}$ " | 7'-1 $\frac{1}{2}$ " | 6'-10 $\frac{3}{4}$ " | |
| 16-48-16 | 7'-6 $\frac{1}{4}$ " | 7'-8 $\frac{1}{4}$ " | 7'-8 $\frac{3}{4}$ " | 7'-8 $\frac{1}{4}$ " | 7'-9 $\frac{1}{2}$ " | 7'-9 $\frac{1}{2}$ " | 7'-6 $\frac{3}{4}$ " | |
| 20-40-20 | | | | | | | | |
| 16-56-16 | 8'-2 $\frac{1}{4}$ " | 8'-4 $\frac{1}{4}$ " | 8'-4 $\frac{3}{4}$ " | 8'-4 $\frac{1}{4}$ " | 8'-5 $\frac{1}{2}$ " | 8'-5 $\frac{1}{2}$ " | 8'-2 $\frac{3}{4}$ " | |
| 20-48-20 | | | | | | | | |
| 24-40-24 | 8'-10 $\frac{1}{4}$ " | 9'-0 $\frac{1}{4}$ " | 9'-0 $\frac{3}{4}$ " | 9'-0 $\frac{1}{4}$ " | 9'-1 $\frac{1}{2}$ " | 9'-1 $\frac{1}{2}$ " | 8'-10 $\frac{3}{4}$ " | |
| 20-56-20 | | | | | | | | |
| 24-48-24 | 9'-6 $\frac{1}{4}$ " | 9'-8 $\frac{1}{4}$ " | 9'-8 $\frac{3}{4}$ " | 9'-8 $\frac{1}{4}$ " | 9'-9 $\frac{1}{2}$ " | 9'-9 $\frac{1}{2}$ " | 9'-6 $\frac{3}{4}$ " | |
| 28-40-28 | | | | | | | | |
| 24-56-24 | 10'-2 $\frac{1}{4}$ " | 10'-4 $\frac{1}{4}$ " | 10'-4 $\frac{3}{4}$ " | 10'-4 $\frac{1}{4}$ " | 10'-5 $\frac{1}{2}$ " | 10'-5 $\frac{1}{2}$ " | 10'-2 $\frac{3}{4}$ " | |
| 28-48-28 | | | | | | | | |
| 32-40-32 | 10'-10 $\frac{1}{4}$ " | 11'-0 $\frac{1}{4}$ " | 11'-0 $\frac{3}{4}$ " | 11'-0 $\frac{1}{4}$ " | 11'-1 $\frac{1}{2}$ " | 11'-1 $\frac{1}{2}$ " | 10'-10 $\frac{3}{4}$ " | |
| 28-56-28 | | | | | | | | |
| 32-48-32 | 11'-6 $\frac{1}{4}$ " | 11'-8 $\frac{1}{4}$ " | 11'-8 $\frac{3}{4}$ " | 11'-8 $\frac{1}{4}$ " | 11'-9 $\frac{1}{2}$ " | 11'-9 $\frac{1}{2}$ " | 11'-6 $\frac{3}{4}$ " | |
| 36-40-36 | | | | | | | | |
| 32-56-32 | | | | | | | | |
| 36-48-36 | | | | | | | | |
| 36-56-36 | | | | | | | | |
| NOMINAL GLASS HEIGHT | WINDOW HEIGHT | HEIGHTS | ROUGH OPENINGS REQUIRED FOR INSTALLATION | | | | | |
| | | | | | | | | |
| 20" | 3'-9 $\frac{1}{4}$ " | 3'-11 $\frac{3}{4}$ " | 3'-10 $\frac{3}{4}$ " | 3'-10 $\frac{1}{2}$ " | 4'-0 $\frac{3}{4}$ " | 3'-11 $\frac{1}{8}$ " | 3'-9 $\frac{7}{8}$ " | |
| 24" | 4'-5 $\frac{1}{4}$ " | 4'-7 $\frac{3}{4}$ " | 4'-6 $\frac{3}{4}$ " | 4'-6 $\frac{1}{2}$ " | 4'-8 $\frac{3}{4}$ " | 4'-7 $\frac{7}{8}$ " | 4'-5 $\frac{7}{8}$ " | |
| 28" | 5'-1 $\frac{1}{4}$ " | 5'-3 $\frac{3}{4}$ " | 5'-2 $\frac{3}{4}$ " | 5'-2 $\frac{1}{2}$ " | 5'-4 $\frac{3}{4}$ " | 5'-3 $\frac{7}{8}$ " | 5'-1 $\frac{7}{8}$ " | |

* * Dimensions given are based on use of Wood Casings shown on pages 24 and 28.

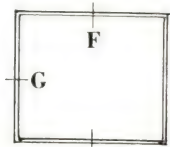
* WIDTH—Dimension of outside masonry opening.
HEIGHT—Dimension from outside lintel to sill.

Snap-on Insulating Sash is designed to provide an economical means of obtaining double glass protection. They are available for all Horizontal Slide Windows and all Picture Windows except the 56" x 58" nominal glass size.

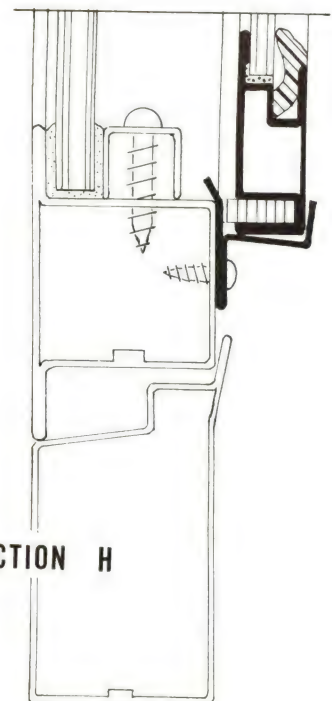
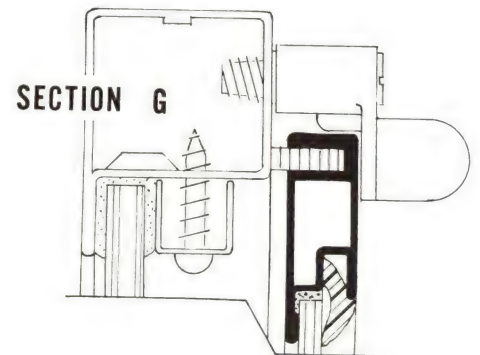
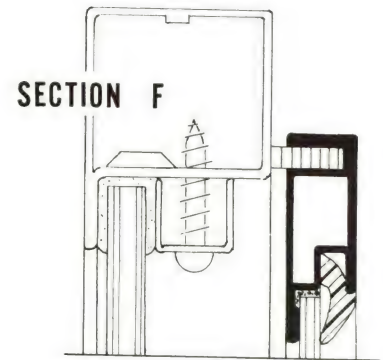
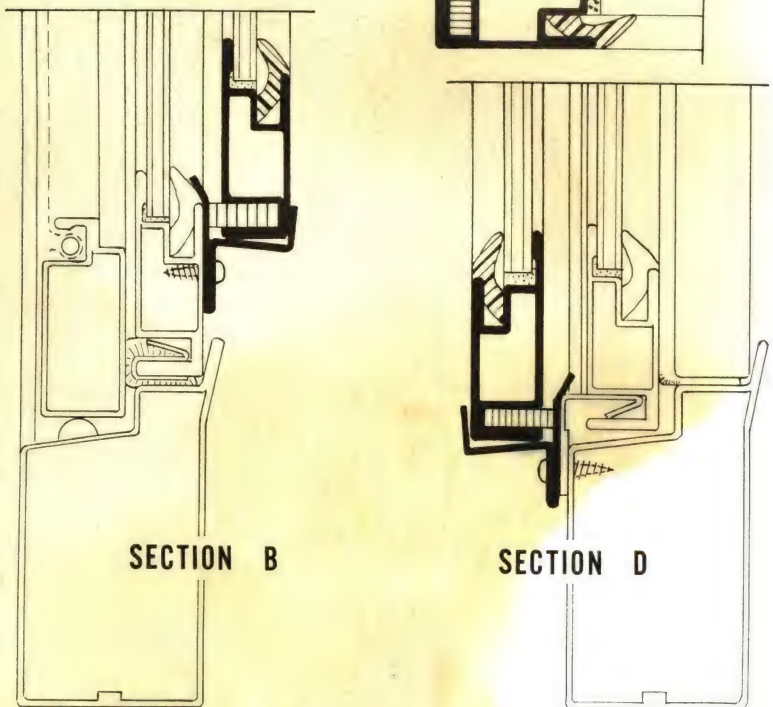
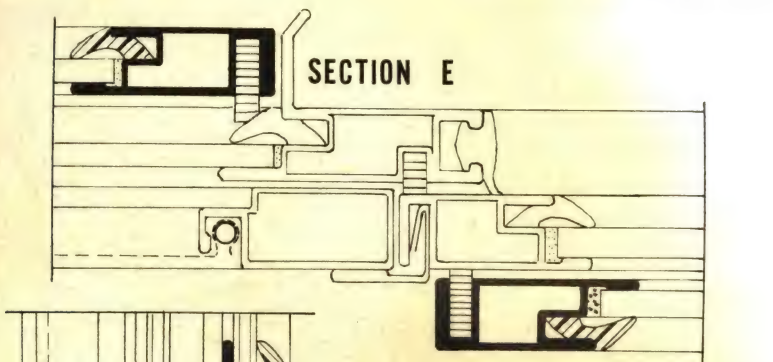
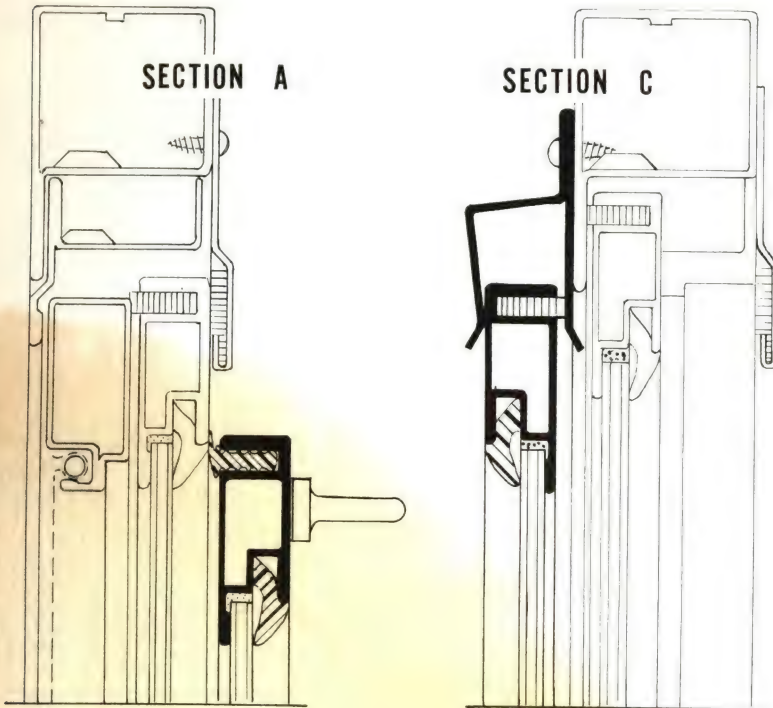
Snap-on Windows and components shown solid.

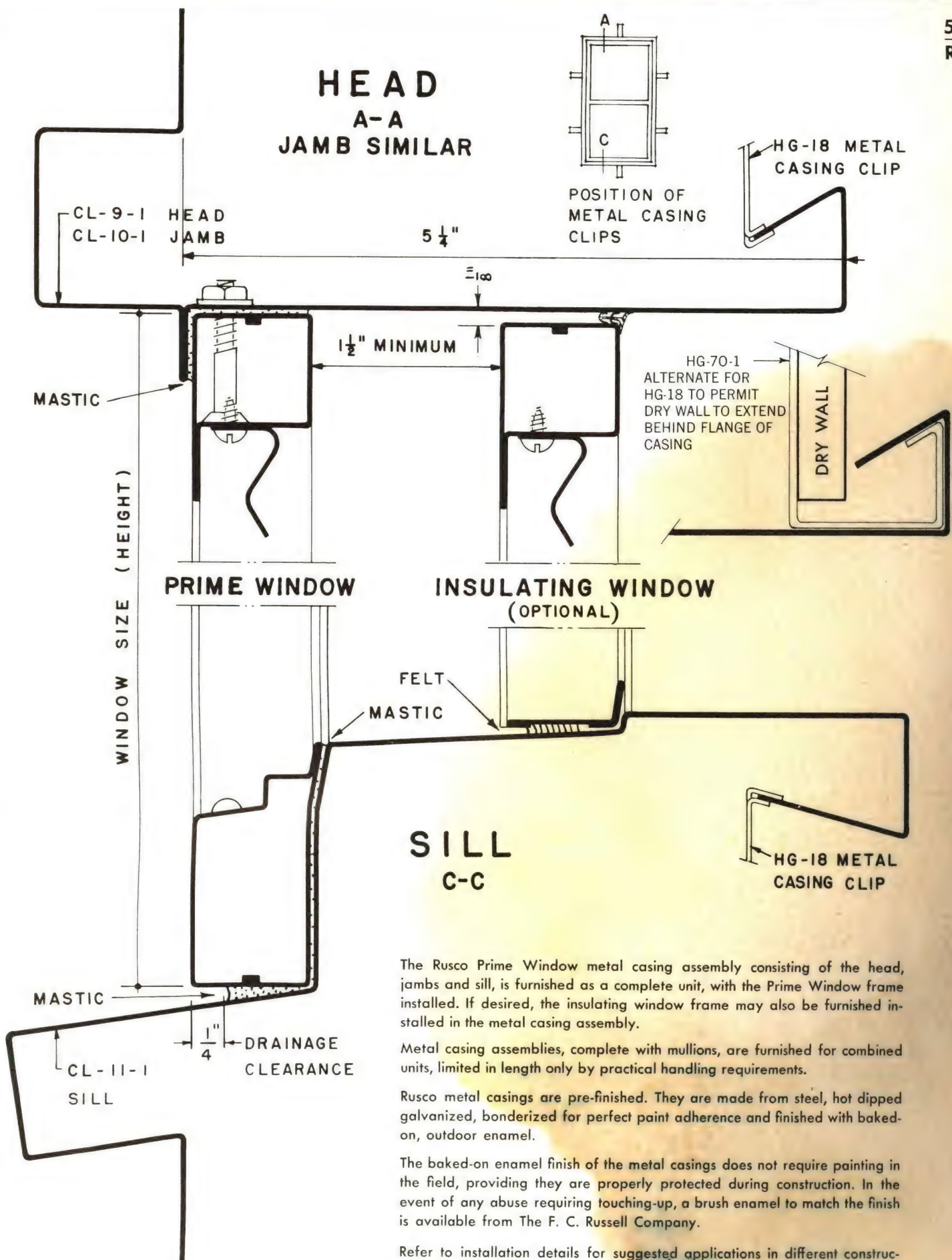


Horizontal Slide



Picture





The Rusco Prime Window metal casing assembly consisting of the head, jambs and sill, is furnished as a complete unit, with the Prime Window frame installed. If desired, the insulating window frame may also be furnished installed in the metal casing assembly.

Metal casing assemblies, complete with mullions, are furnished for combined units, limited in length only by practical handling requirements.

Rusco metal casings are pre-finished. They are made from steel, hot dipped galvanized, bonderized for perfect paint adherence and finished with baked-on, outdoor enamel.

The baked-on enamel finish of the metal casings does not require painting in the field, providing they are properly protected during construction. In the event of any abuse requiring touching-up, a brush enamel to match the finish is available from The F. C. Russell Company.

Refer to installation details for suggested applications in different construction systems.

NOTE:

WOOD FROST BREAK
CASING AND WOOD STOOL
CAN ALSO BE USED WITH
THE METAL FIN.

OPTIONAL FIN WIDTHS

MASTIC

WINDOW SIZE (HEIGHT)

PRIME WINDOW

**INSULATING WINDOW
(OPTIONAL)**

NOMINAL DEPTH

FELT

MASTIC

FINISHED
WALL LINE

CL-20-1 SILL

**SILL
C-C**

HG-18 METAL
CASING CLIP

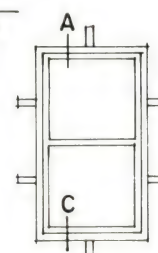
HEAD

A-A

JAMB SIMILAR

HG-18 METAL
CASING CLIP

CL-18-1 HEAD
CL-19-1 JAMB



POSITION OF METAL
CASING CLIPS

HG-19 ANCHOR CLIP
FURNISHED STRAIGHT
BUT MAY BE BENT

The Rusco Prime Window variable depth metal casing assembly, consisting of head, jambs and sill and including metal fin or wood surround as required, is furnished as a complete unit with the Prime Window frame installed. If desired, the insulating window frame may also be furnished installed in the metal casing assembly. This assembly may be ordered to any nominal depth, as indicated, between 3" and 11 1/2" to conform to different wall construction conditions.

Variable depth metal casing assemblies, complete with mullions, are furnished for combined units, limited in length only by practical handling requirements.

Rusco metal casings are pre-finished. They are made from steel, hot dipped galvanized, bonderized and finished with a baked-on, outdoor gray enamel.

The baked-on enamel finish of the metal casings does not require painting in the field, providing they are properly protected during construction. In the event of any abuse requiring touching-up, a brush-on enamel to match the finish is available from The F. C. Russell Company.

Refer to installation details for suggested applications in different construction systems.

OUTSIDE METAL CASING FULL SIZE DETAILS

RUSCO
PRIME WINDOWS

5b
Ru

OUTSIDE
TRIM

HEAD
A-A
JAMB SIMILAR

INSIDE VARIABLE TRIM

CL-43-1 HEAD
CL-43-2 JAMB

CL-18-1 HEAD
CL-19-1 JAMB

HG-70-1
ALTERNATE FOR
HG-18 TO PERMIT
DRY WALL TO EXTEND
BEHIND FLANGE OF
CASING

DRY WALL

MASTIC

WINDOW SIZE (HEIGHT)

PRIME WINDOW

INSULATING
WINDOW
OPTIONAL
SEE DETAIL
OPPOSITE PAGE

A
C
POSITION OF METAL
CASING CLIPS

CL-20-1 SILL

SILL
C-C

HG 70-1
CASING CLIP

DRY WALL

MASTIC

CL-42-1 SILL

1/4"
DRAINAGE
CLEARANCE

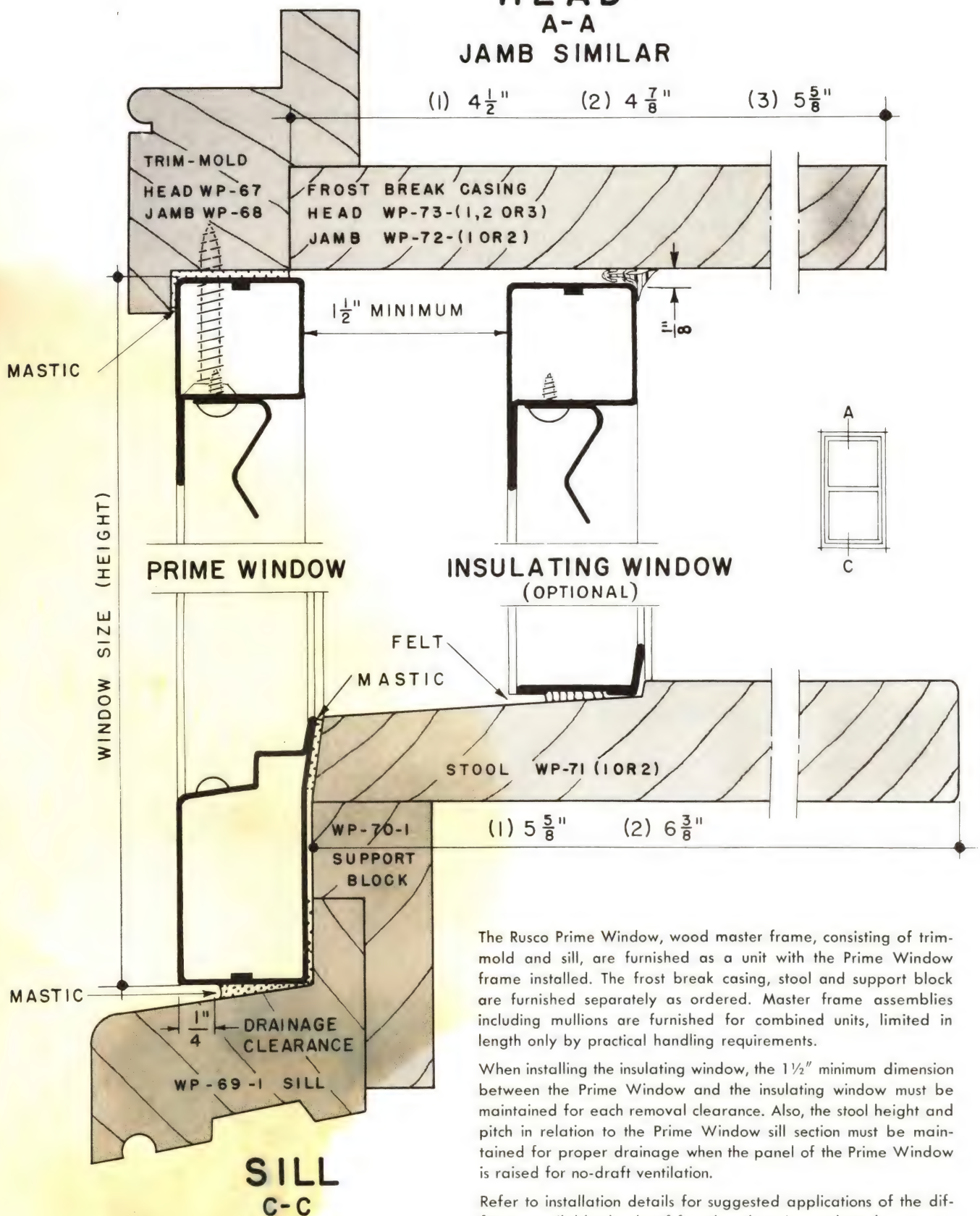
Rusco Prime Window outside metal casing assembly, consisting of head, jambs and sill is furnished with the Prime Window frame installed. This unit may be combined with Rusco Prime Window variable depth metal casing, as indicated on drawing, as a complete unit. The Rusco outside metal casing may also be used with wood frost break and inside trim or with plaster or dry wall return.

Rusco Prime Window outside metal casing assemblies are furnished for horizontally combined units, limited in length only by practical handling requirements.

Rusco outside metal trim is manufactured from hot-dipped galvanized steel. Then bonderized and finished with a baked-on outside gray enamel.

Refer to installation details for suggested applications in different construction. For installation of Prime Window in outside metal casing only . . . refer to Fin installation details on page 27. For installation of prime window in outside metal casing with variable depth casing refer to metal casing installation details on page 26.

HEAD
A-A
JAMB SIMILAR

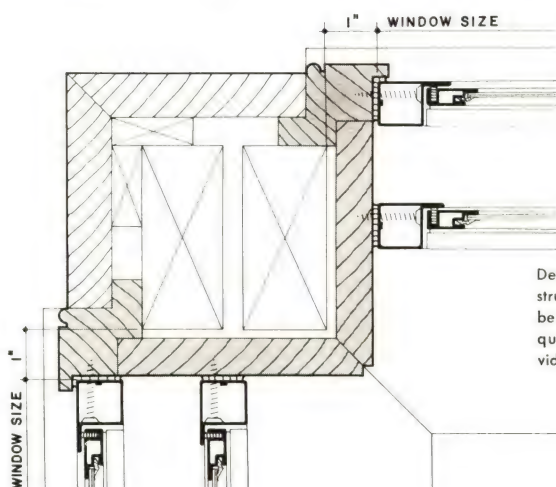


The Rusco Prime Window, wood master frame, consisting of trim-mold and sill, are furnished as a unit with the Prime Window frame installed. The frost break casing, stool and support block are furnished separately as ordered. Master frame assemblies including mullions are furnished for combined units, limited in length only by practical handling requirements.

When installing the insulating window, the $1\frac{1}{2}"$ minimum dimension between the Prime Window and the insulating window must be maintained for each removal clearance. Also, the stool height and pitch in relation to the Prime Window sill section must be maintained for proper drainage when the panel of the Prime Window is raised for no-draft ventilation.

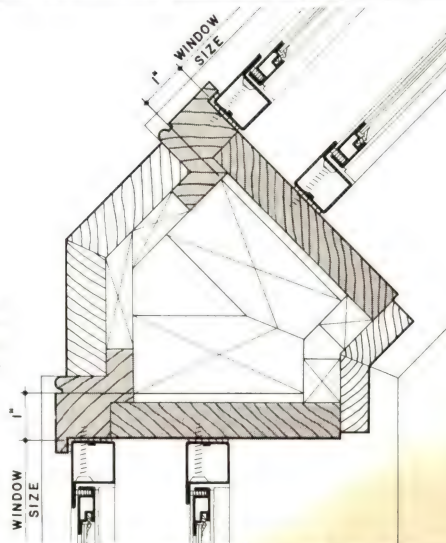
Refer to installation details for suggested applications of the different available depths of frost break casing and stool.

WOOD CASING

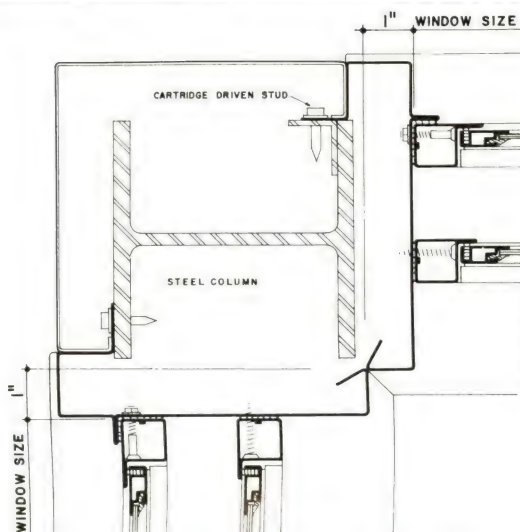


Details of wood trim and structure (not by Rusco) to be determined by the requirements of the individual projects.

WOOD CASING

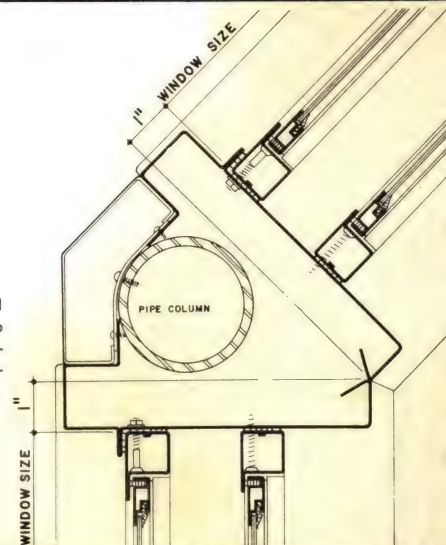


METAL CASING

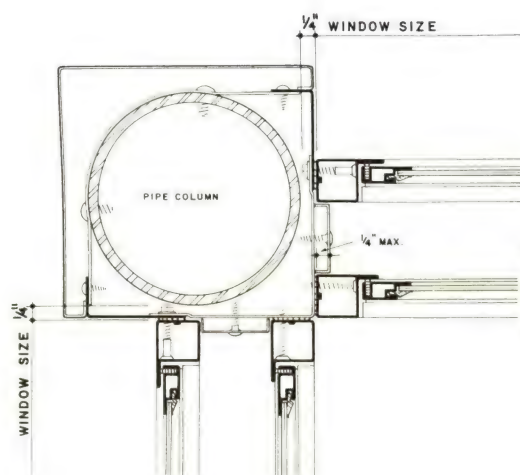


Details of metal trim and structure (not by Rusco) to be determined by the requirements of the individual projects.

METAL CASING

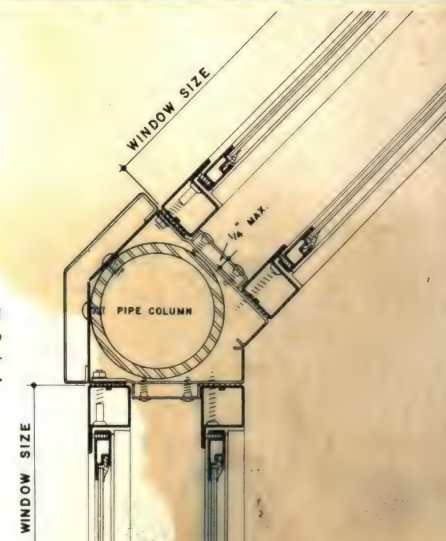


METAL FIN

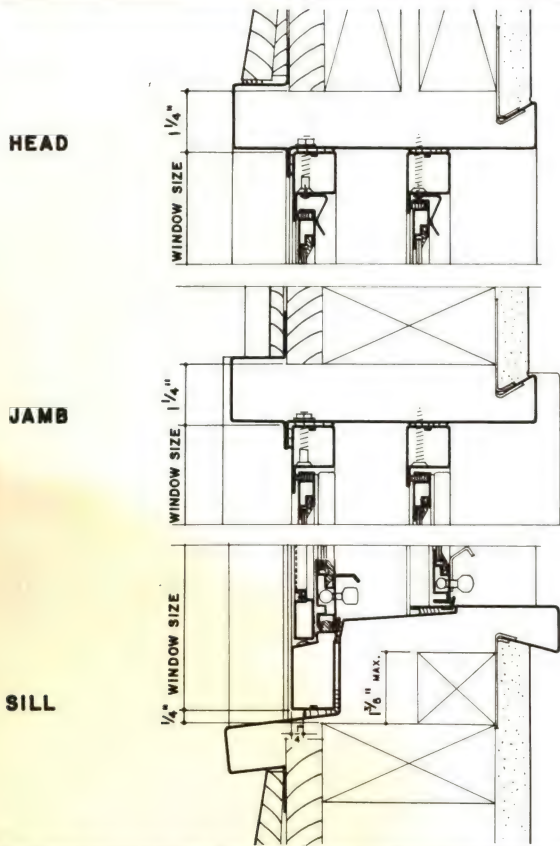


Details of metal trim and structure (not by Rusco) to be determined by the requirements of the individual projects.

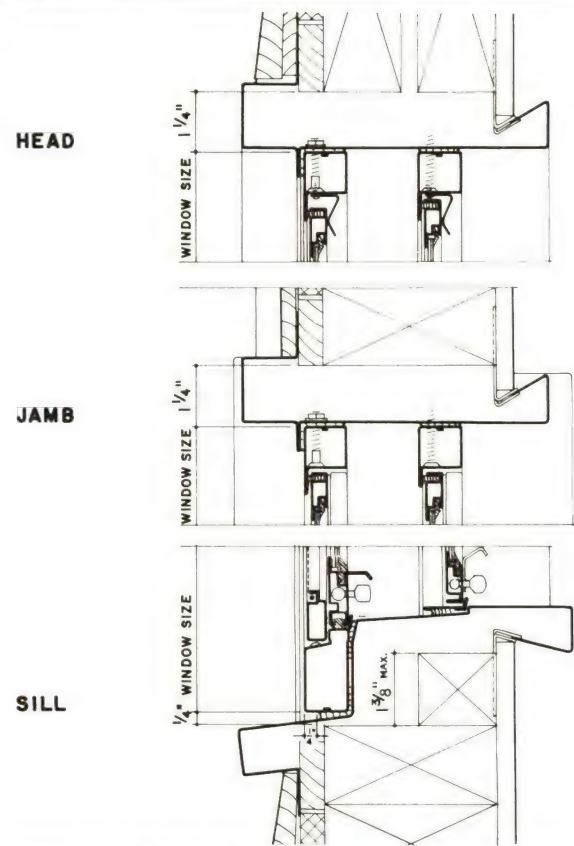
METAL FIN



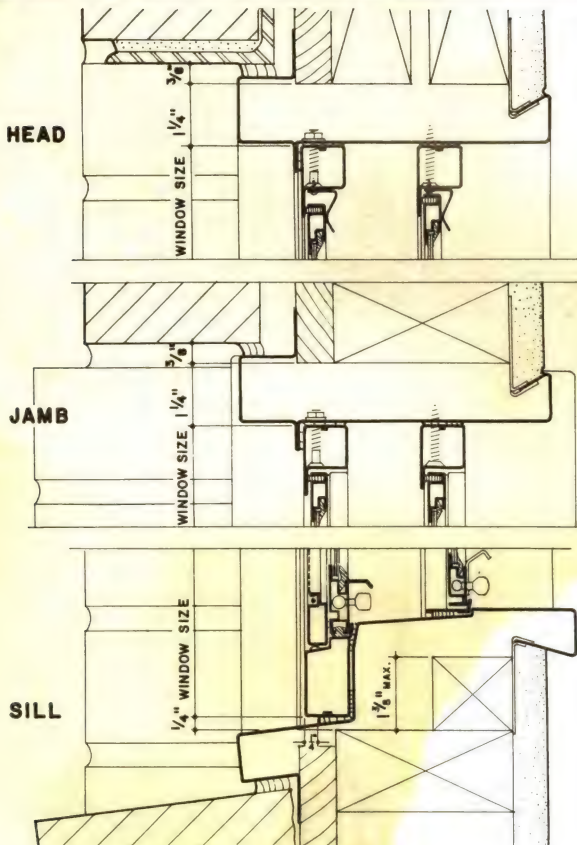
FRAME-PLASTERED



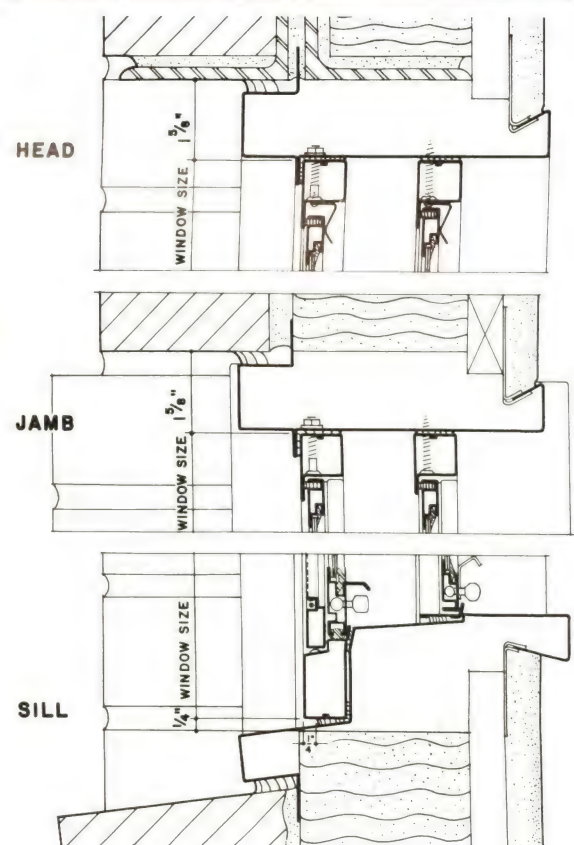
FRAME-DRYWALL



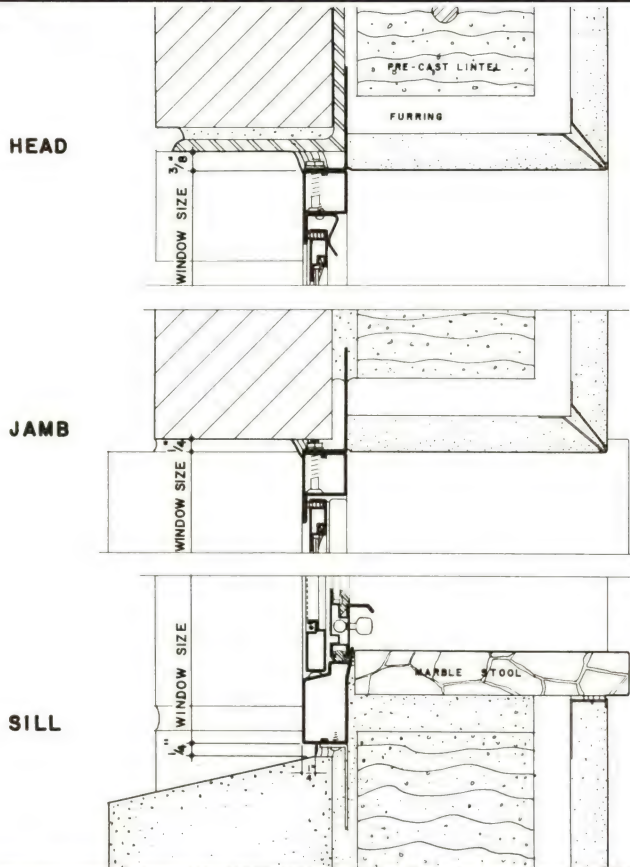
BRICK VENEER-PLASTERED



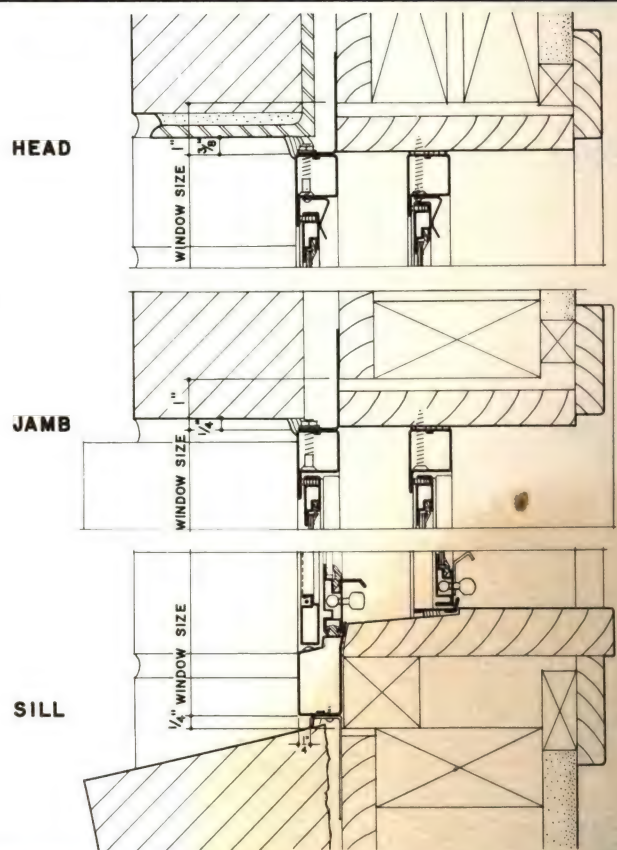
MASONRY-8"-PLASTERED



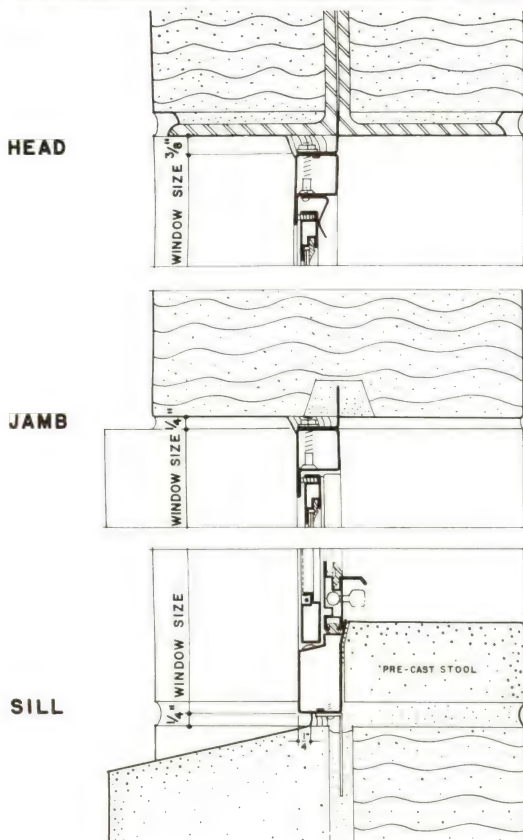
MASONRY-8"-PLASTERED



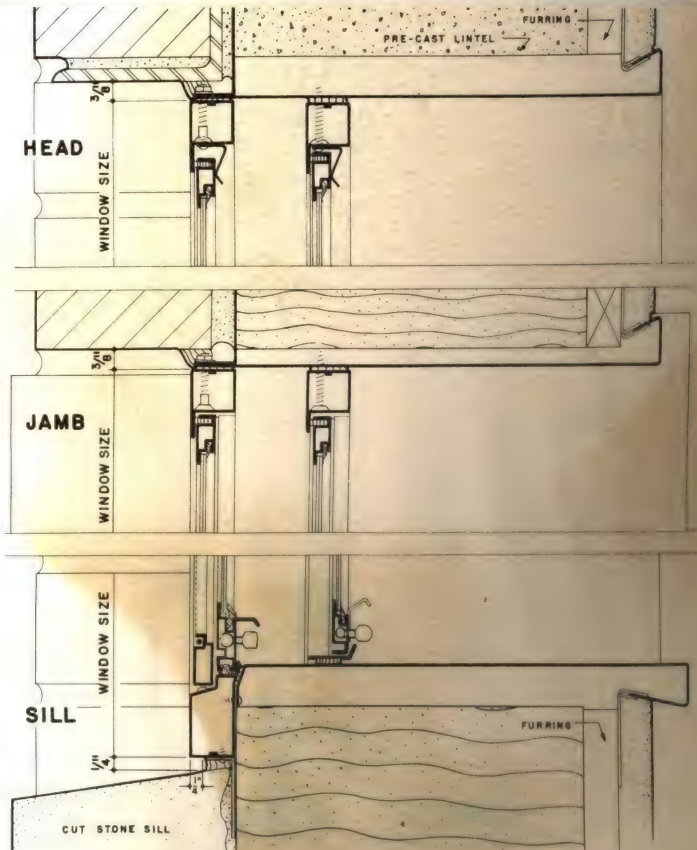
BRICK VENEER-PLASTER-TRIM



MASONRY-8"-UNFINISHED

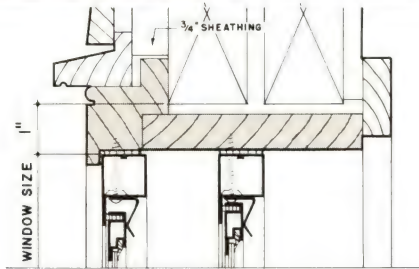


MASONRY 12" VARIABLE CASING

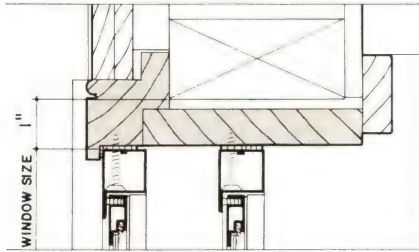


FRAME-DRYWALL FINISH

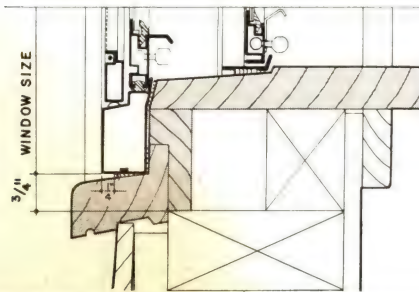
HEAD



JAMB

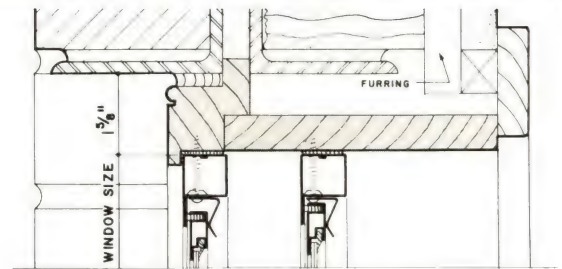


SILL

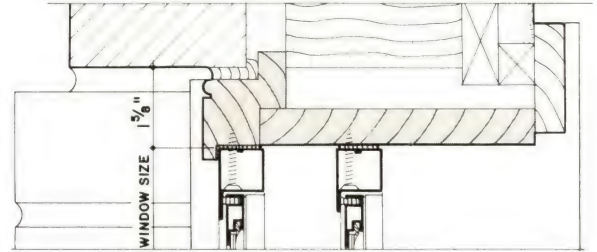


MASONRY 8\"/>

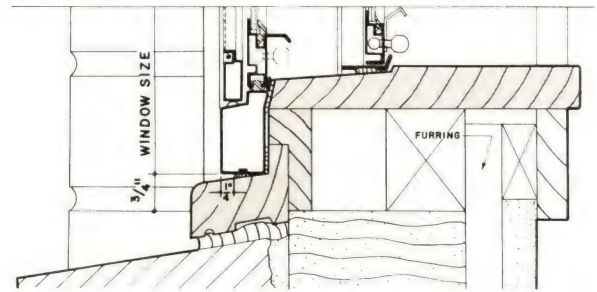
HEAD



JAMB

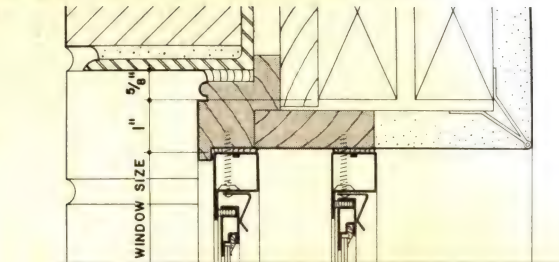


SILL

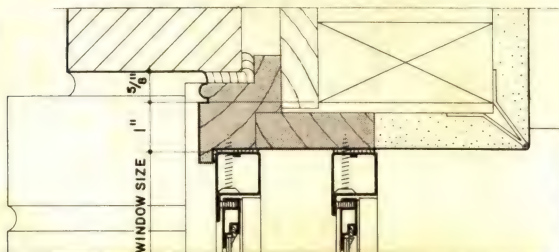


BRICK VENEER-PLASTER RETURN

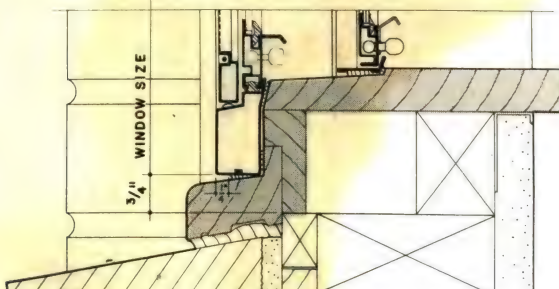
HEAD



JAMB

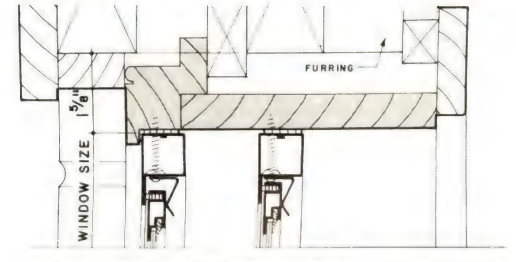


SILL

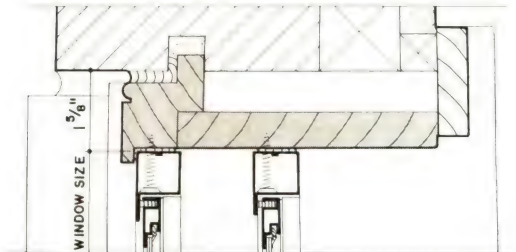


SCR BRICK PLASTERED

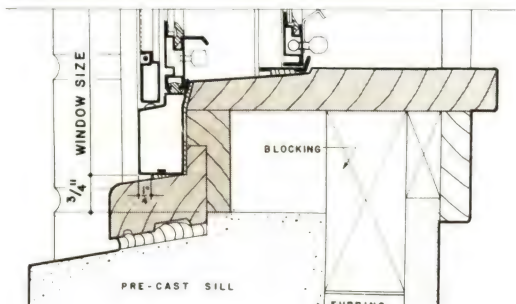
HEAD



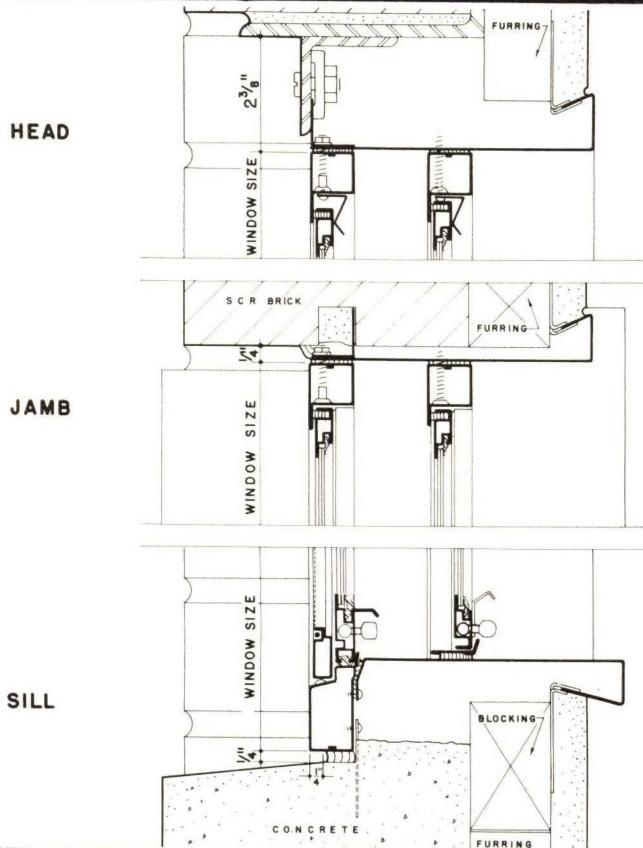
JAMB



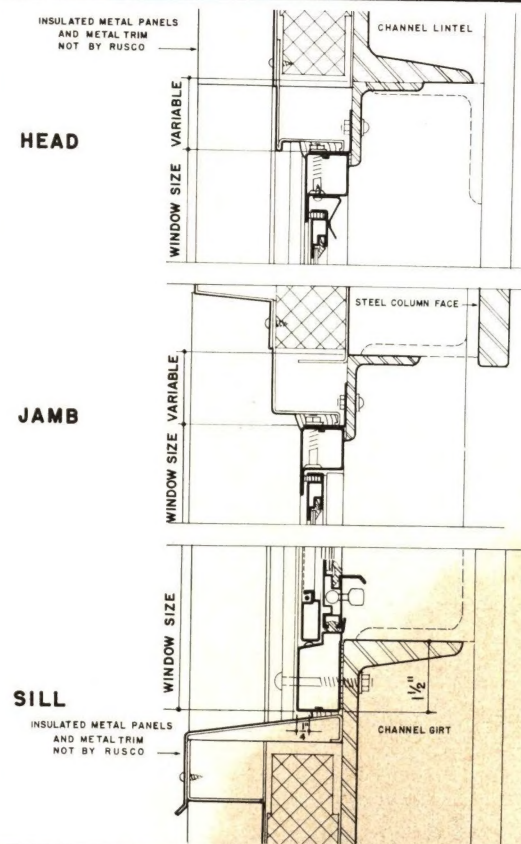
SILL



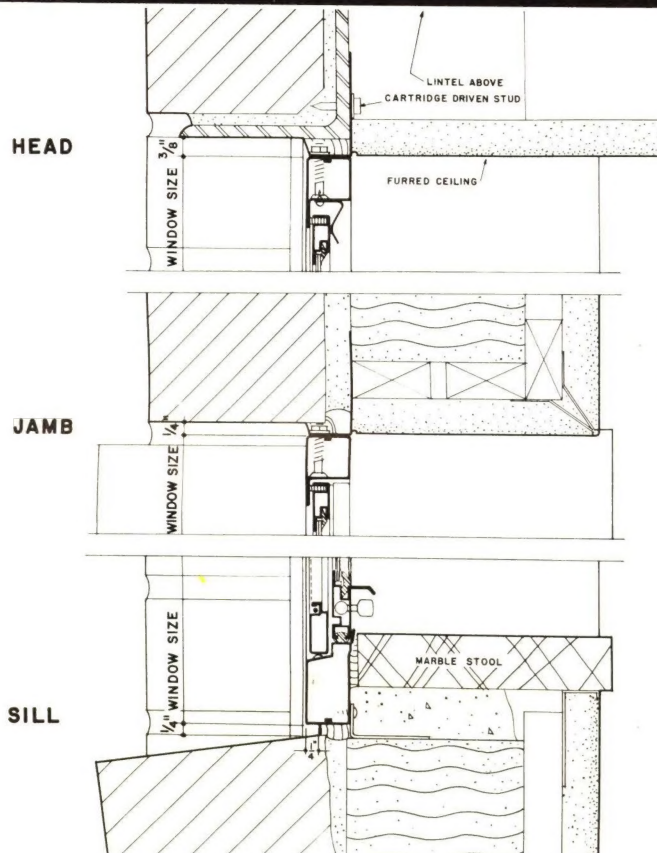
VARIABLE DEPTH CASING-SCR BRICK



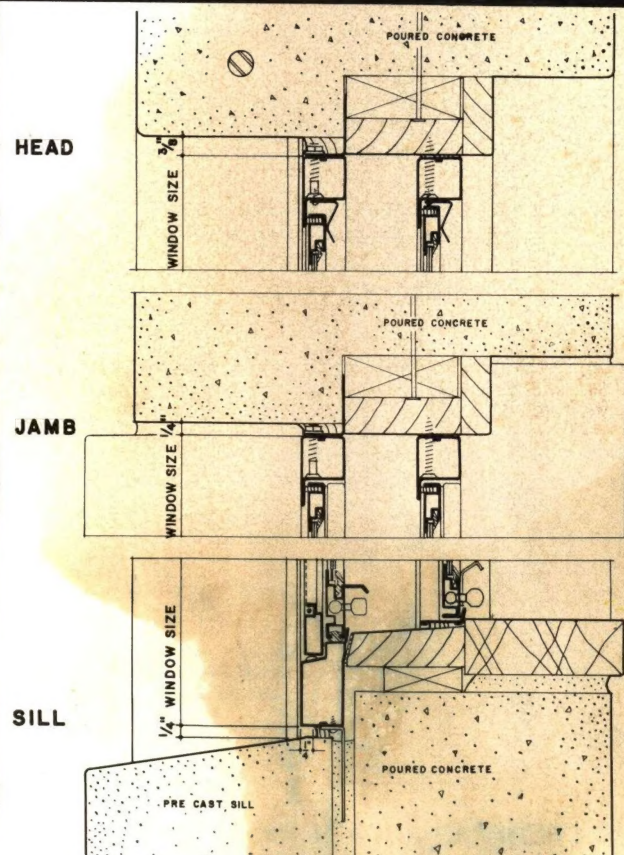
METAL FIN-STEEL CONSTRUCTION



STEEL FIN-MASONRY-8"



STEEL FIN-POURED CONCRETE

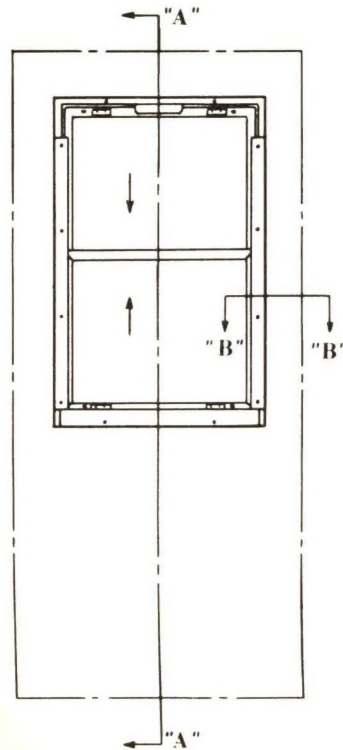
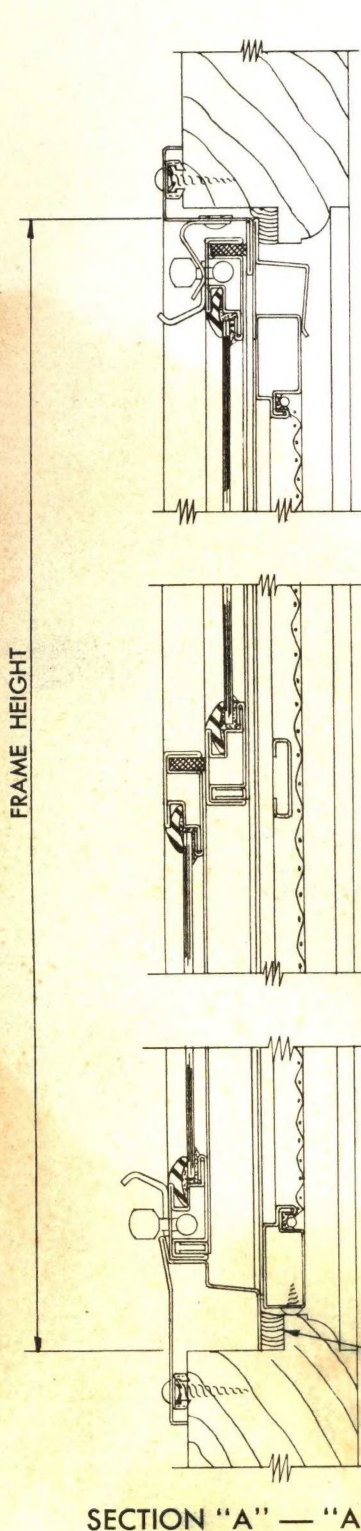


Rusco Windo-Door unit is designed to provide a primary door with light and controlled ventilation qualities.

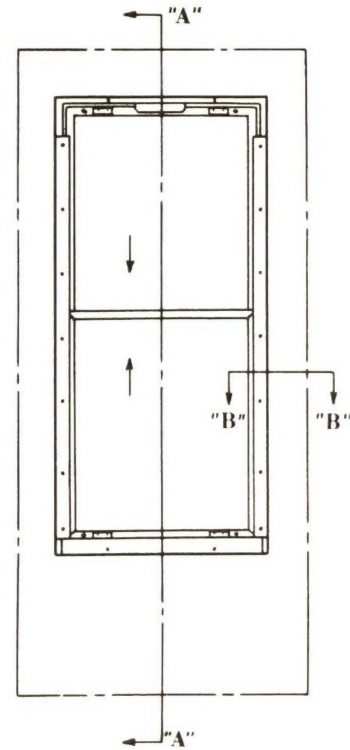
The Rusco Windo-Door unit is manufactured from the same hot-dipped galvanized steel and factory

finished with gray baked-on enamel and of similar construction to Rusco Prime Windows.

Windo-Door units are available for the two standard types of wood doors in the range of sizes shown below.

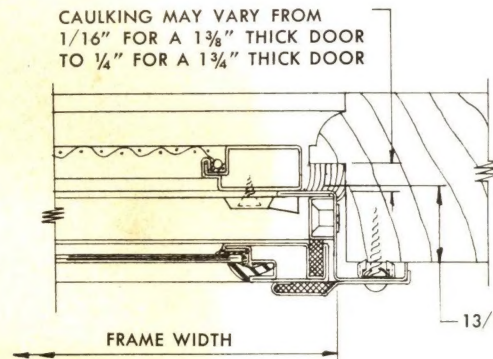


STYLE N.D. 500



STYLE N.D. 635

CAULKING MAY VARY FROM 1/16" FOR A 1 3/8" THICK DOOR TO 1/4" FOR A 1 3/4" THICK DOOR



SECTION "B" — "B"

MUST BE CAREFULLY CAULKED ALONG SILL & CORNER JOINTS

NOTE:
THIS UNIT MAY BE USED
ON 1 3/8" OR 1 3/4" DOORS

BASED ON COMMERCIAL STANDARDS, (NWMA) NATIONAL WOODWORK MANUFACTURERS ASSOCIATION, THE FRAME SIZES INDICATED WILL FIT STANDARD DOORS AS FOLLOWS:

| DOOR STYLE | DOOR SIZE | OPENING SIZE | FRAME SIZE | |
|------------|---------------|--------------|------------|---------|
| | | | WIDTH | HEIGHT |
| N.D. 500 | 2'-8" x 6'-8" | 22" x 40" | 21-13/16" | 39 7/8" |
| N.D. 500 | 3'-0" x 6'-8" | 26" x 40" | 25-13/16" | 39 7/8" |
| N.D. 500 | 3'-0" x 7'-0" | 26" x 44" | 25-13/16" | 43 7/8" |
| N.D. 635 | 2'-6" x 6'-8" | 20" x 56" | 19-13/16" | 55 7/8" |
| N.D. 635 | 2'-8" x 6'-8" | 22" x 56" | 21-13/16" | 55 7/8" |
| N.D. 635 | 3'-0" x 6'-8" | 26" x 56" | 25-13/16" | 55 7/8" |
| N.D. 635 | 3'-0" x 7'-0" | 26" x 60" | 25-13/16" | 59 7/8" |

SECTION "A" — "A"

SPECIFICATIONS FOR RUSCO PRIME WINDOWS

All windows shall be Rusco Prime Windows of standard type and size, as manufactured by The F. C. RUSSELL Company, Cleveland 1, Ohio

MATERIAL — All frame sections of window frames, glass panels and screen panels shall be of rolled, tubular, lockseal construction formed from No. 24 gauge steel, hot dipped galvanized.

Mullions for use with Types P-11, P-22 and P P windows shall be of the same material as the frame sections. When insulating windows are used, the wood mullion post, which is included, shall be made from toxic-treated clear white pine.

Mullions for use with types P-311 and P-411 windows shall be of rolled, tubular, lockseal construction formed from No. 22 gauge steel, hot dipped galvanized.

Wood Casings shall be made from toxic treated clear white pine.

The metal casing surrounds shall be made from steel, hot dipped galvanized — head and jamb sections of No. 22 gauge and sill and stool sections of No. 18 gauge.

Metal fin surrounds and installation fins shall be made from No. 16 gauge steel, hot dipped galvanized.

Locking mechanism shall be made of stainless steel.

Glass shall be clear, flat drawn, window glass, S. S. B. quality, up to 64* combined inches. Over 64* combined inches and up to 110* combined inches, D. S. B. glass is used. Over 110* combined inches, 3/16 crystal sheet is used.

Glazing splines shall be made of vinyl plastic.

Screen cloth shall be 14 — 18 mesh, fiberglass with plastic installation splines.

Weatherstripping shall be the finest grade, resilient, water-repellent, mothproof, wool felt and vinyl plastic.

CONSTRUCTION — Tubular window frames shall be brazed on both sides at all corners. Glass panels shall be brazed on outside at all corners. Screen panel frames shall be assembled with special internal corner reinforcers for rigidity.

* width plus height

FINISH — All metal parts formed from steel, hot dipped galvanized, shall be bonderized to insure proper paint adherence and finished by spraying all exposed surfaces with exterior quality, gray enamel, followed by baking at 350 degrees.

ASSEMBLY — All Prime Window units shall be furnished completely assembled with glazed panels, screen panels, weatherstripping and hardware in place.

When Wood Casings, metal casings or metal fins are used, they shall be furnished with the Prime Window attached complete, with mastic between the window frame and the casing as specified.

When insulating window units are used they shall be furnished completely assembled with glazed panels, weatherstripping and hardware in place, ready for installation at the job. When insulating windows are used with metal casing, they may be furnished attached in place on order.

INSTALLATION — Installation shall be in accordance with manufacturer's instructions. All window units and complete assemblies shall be set true and plumb and secured in place without forcing and without superimposing loads from any source, such as lintel deflection.

CAULKING — All joints between the casing assemblies and masonry construction, and as so shown in the installation details or called for in the manufacturer's instructions, shall be caulked with plastic, non-hardening, non-staining caulking compound by the caulking contractor. Mastic under prime window sill must be kept back from outside face of window 1/4" for drainage.

COMPLETION — At completion and before turning over the job to the owner, the builder shall remove all finish protective materials, thoroughly clean all painted and glass surfaces, replace any broken glass or damaged parts and leave all parts in first class operating condition.

OPERATION — All operating panels shall move freely without binding and all operable glass and screen panels shall be easily removable from the inside without tools.

Note: (These specifications will be followed subject to variations in the event emergency limitations are imposed.)

GENERAL RECOMMENDATIONS

The full sized details and installation details shown in the catalog should be studied carefully while determining the installation methods for any job.

The F. C. Russell Co. encourages consultation direct with them or their distributors by architects, owners or contractors concerning the details as shown or any special conditions which may be encountered.

The F. C. Russell Co. recommends the use of their various designs of surrounds as shown in this catalog in order to avoid unsatisfactory installations. Wood casing assemblies may be primed before installation.

It is recommended that the installation of insulating windows be

made after plastering and finish painting in all cases, with the possible exception in the instances when steel casings are used.

The ordering designation of Rusco Prime Vertical Slide and Fulvue Windows is similar to that for conventional double hung windows in that the nominal glass size, in inches, of one panel is used; first the horizontal dimension and then the vertical dimension.

The Horizontal Slide Windows and the Vertical Slide Composite Windows should be ordered by the designation indicated below each different type and size.

Consultation with the local Rusco distributor or direct with the F. C. Russell Co. regarding all desired information and assistance in ordering is recommended.

Here's why more Architects Builders & Home Owners Look to **RUSCO** **FOR PRIME WINDOWS**

For eighteen straight years RUSCO has been the leader . . . with more "firsts" in window and door design improvements and innovations than any other manufacturer.

RUSCO, and only RUSCO, has the experience, manufacturing skill and exclusive patented features to meet the quality standards set by the ever-expanding building industry.

Every RUSCO product is guaranteed by The F. C. Russell Company—and a nation-wide network of factory-trained RUSCO Distributors and Dealers is always ready to offer the finest service—anywhere!

RUSCO—the greatest name in Combination and Prime Windows—also offers a complete line of companion products for better and more gracious living including: Picture Windo Doors, All Metal Venetian Awnings, Door Canopies and Patio Covers, Glass Jalousie Windows and Doors and a wide choice of window designs for porch enclosures.

*Write for catalog of this new RUSCO product.

THE F. C. RUSSELL COMPANY
1100 Chester Avenue • Cleveland 1, Ohio

Plant Locations:

Cleveland, Ohio Conneaut, Ohio Pandora, Ohio
Columbiana, Ohio Cambridge, Ohio

In Canada:

THE F. C. RUSSELL CO. OF CANADA, LTD.
P. O. Box 97, Station "H" Toronto 13, Ontario, Canada



HORIZONTAL SLIDE



VERTICAL SLIDE



WINDO-DOOR



*AWNING-TYPE WINDOWS



FULVUE VERTICAL SLIDE

